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**United States
Department of
Agriculture**

Science and
Education
Administration

Agricultural
Reviews and
Manuals—H—10

April 1981

Inventory of Agricultural Research FY 1978

Volume III

Table V

Research Program Summary

**SCIENCE AND EDUCATION
IN AGRICULTURE**



USDA • UNIVERSITIES

INVENTORY OF AGRICULTURAL RESEARCH

VOLUME III

(Table V)

Scientist Years by Research Program Group (RPG)
and Research Program (RP)

FISCAL YEAR 1978

Fiscal Year 1978 covers the period from October 1,
1977 through September 30, 1978

This report was compiled from data supplied to the
Current Research Information System, Technical
Information Systems, by USDA Research Agencies,
State Agricultural Experiment Stations, Forestry
Schools, and Other Cooperating Institutions.

Issued by

TECHNICAL INFORMATION SYSTEMS
SCIENCE AND EDUCATION ADMINISTRATION
U.S. DEPARTMENT OF AGRICULTURE
BELTSVILLE, MARYLAND 20705

Science and Education Administration, Agricultural
Reviews and Manuals -H-10, April 1981

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I N T R O D U C T I O N

The Inventory of Agricultural Research is a collection of statistical tables compiled annually since 1966, on research conducted by the USDA, State Agricultural Experiment Stations, Forestry Schools, and Other Cooperating Institutions. The tables were designed to assist persons who carry out the "joint research program planning, evaluation, and coordination" recommended in the long-range study, A National Program of Research for Agriculture, published in October 1966. Input data is provided to the Current Research Information System (CRIS) by USDA research agencies on Forms AD 416, AD 417, and AD 418, and by State Agricultural Experiment Stations and other Institutions on Forms AD 416, AD 417 and AD 419. (See Table of Contents)

The Inventory is composed of five tables published in three volumes. Volume I (Tables I-A and I-B) reports scientist years and amount of funds by each performing organization, by designated Research Problem Area (RPA) and Commodity subdivisions. The I-A Tables show data for RPA X Commodity; I-B Tables show total research for each Research Problem Area.

Volume II includes Tables in the II, III and IV series. Tables in the II series show scientist years and funds for State Agricultural Experiment Stations, Forestry Schools, Other Cooperating Institutions, and USDA agencies. Tables in the III series show funding data for USDA research by source of funds. Tables in the IV series show funding data for State stations and other non-Federal institutions by source of funds.

The II-B, III-B, and IV-B Tables show a breakdown of the data by the commodity classification used in the Long-Range Study. The II-D, III-D, and IV-D Tables show data for each of the 98 Research Problem Areas (RPA) used in the Long-Range Study. The II-E, III-E, and IV-E Tables provide summaries of funds and scientist years by agency or station.

Table V in Volume III shows scientist years by Research Program Group (RPG) and Research Program (RP). RP's and RPG's are made up of unique combinations determined by type of research (Agricultural or Forestry), commodity, and Research Problem Areas (RPA) classification.

Funds appearing in Volumes I and II are gross figures. This means that funds not allocated to specific research projects but considered to be an integral part of the cost of doing research are prorated to the appropriate research projects. The nature and amount of funds not allocated to projects varies among the Stations and USDA agencies. It usually includes administration, supervision, and personnel and financial services. It may include publications and statistical services, rent, operation of research farms, and other expenditures that relate to several or all projects. Prior to Fiscal Year 1972 Tables III and IV in Volume II reflected net funds.

Research Work Unit/Project Classification - Listings of the appropriate classification categories are included in each of the volumes. More complete descriptions of classification can be found in the "Manual of Classification of Agricultural and Forestry Research" available from the Agricultural Information Division, Technical Information Systems, U. S. Department of Agriculture.

Classification on individual Research Work Unit/Projects are provided on Form AD-417. Many inputs used only one line. For example, a project carried out by an entomologist on control of cotton insects would be coded:

"Activity" - 4500 (Insect Control), "Commodity" - 2100 (Cotton)
"Field of Science" - 0412 (Entomology), "Problem Area"- 207
(Insect pests of Field Crops) - 100%

Some inputs (projects) could not be classified on a single classification "line." For example, a project carried out by a geneticist on breeding corn for disease resistance and improved yield would use two classification lines. If, in the judgment of the person preparing the input form, three-fourths of the emphasis was on disease resistance and one-fourth on yield, the lines would be:

"Activity" - 4600 (Disease control), "Commodity" - 1400 (Corn),
"Field of Science" - 0512 (Genetics), "Problem Area" - 208
(Control of disease of field crops) - 75%

"Activity" - 5000 (Biol. efficiency), "Commodity" - 1400 (Corn),
"Field of Science" 0512 (Genetics), "Problem Area" - 307
(Improvement of biological efficiency of field crops) - 25%

In the Problem Area tabulations, 75% of the scientist years and of the funds reported for this project would be aggregated with other projects in the Problem Area, "Control of diseases of field crops," and 25% would be aggregated with other projects in the Problem Area "Improvement of biological efficiency of field crops." In the Commodity tabulations, 100% of this project would be in "corn."

VOLUME III

The material in this Volume has been organized into manageable units and sub-units based on type of research (Agricultural or Forestry), Commodity, and Research Problem Area (RPA) Classification. The various Commodity X RPA Combinations for the two types of research aggregate to 48 Research Programs (RPs) which, in turn, aggregate to seven (7) Research Program Groups (RPGs). One additional RP/RPG has been established for unclassified projects. In this publication Forestry Research includes all research performed by Forest Service, Forestry Schools, funded by McIntire-Stennis, or designated Forestry by the Cooperative State Research Service. All other research is considered agricultural research. Duplication has been eliminated by designating each unique Type X Commodity X RPA combination as having a primary impact on only one of the 48 RPs. For example, a research project conducted by the Agricultural Research Service concerning watershed protection, Commodity 0300 "Watersheds and River Basins" and RPA 107 "Watershed Protection and Management" is reported as having a primary impact on RP 1.02 "Water and Watersheds." A research project conducted by the Forest Service concerning watershed protection Commodity 0300 "Watersheds and River Basins" and RPA 107 "Watershed Protection and Management" is reported as having primary impact on RP 2.04 "Forest Watersheds, Soils, and Pollution."

The Research Program Key on Pages ix-x shows the Type X Commodity X RPA combinations that aggregate to each RP. Columns 2 and 3 (Agricultural) and 2 and 4 (Forestry) show the combinations which have a primary impact on each research program.

The SYS are listed by performing organization except for USDA Contracts, Grants and Cooperative Agreements with organizations other than the State Agricultural Experiment Stations. These SYS are listed by funding organization.

U.S. DEPARTMENT OF AGRICULTURE RESEARCH WORK UNIT/PROJECT DESCRIPTION - RESEARCH RESUME U. S. DEPT. OF AGRICULTURE, STATE AGRICULTURAL EXPERIMENT STATIONS AND OTHER INSTITUTIONS					DATE (Day, Month, Year)		AMENDMENT			
1. ACCESSION NO.		AGENCY IDENTIFICATION NO. 2. 3. 4.		5. WORK UNIT/PROJECT NO.		6. STATUS New ☐ Extended ☐ Revised ☐ ☐		Terminated ☐	Pending ☐	
7. TITLE										
8. PERFORMING ORGANIZATION					13. RESPONSIBLE ORGANIZATION					
CITY		STATE/COUNTRY		ZIP CODE	CONG. DISTRICT		CITY		14. STATE	ZIP CODE
12. INVESTIGATOR NAME(S) (Last name & Initials) 1. _____ 2. _____ 3. _____					15. RESPONSIBLE INDIVIDUAL (Last name & Initials)					
					16. RESEARCH LOCATION ON CAMPUS A ☐ Yes B ☐ No					
PROJECT TYPE										
17-1. FOR USDA USE		17-2. FOR USDA USE		18-1. FOR STATE USE		18-2. DISP. OF SURP.		19-1. FACE AMOUNT		
A ☐ Contact b ☐ Grant	Contr./Gr./Agmt. with SAES Other A ☐ B ☐ H ☐ M-S State H ☐ N ☐ O ☐ R ☐ S ☐ T ☐ U ☐ V ☐ W ☐ X ☐ Y ☐ Z ☐		None Returned Gov't. Re-tained A ☐ B ☐ C ☐ D ☐ E ☐ F ☐ G ☐ H ☐ I ☐ J ☐ K ☐ L ☐ M ☐ N ☐ O ☐ P ☐ Q ☐ R ☐ S ☐ T ☐ U ☐ V ☐ W ☐ X ☐ Y ☐ Z ☐		ARS ERS PCS FS SRS A ☐ B ☐ C ☐ D ☐ E ☐ F ☐ G ☐ H ☐ I ☐ J ☐ K ☐ L ☐ M ☐ N ☐ O ☐ P ☐ Q ☐ R ☐ S ☐ T ☐ U ☐ V ☐ W ☐ X ☐ Y ☐ Z ☐		19-2. TOTAL BYS. 19. PY			
21. FACILITIES A ☐ Federally owned B ☐ Federally leased C ☐ Combined D ☐ State E ☐ Other		22. REGIONAL PROJECT NO.								
23. OBJECTIVES AND APPROACH (Use space needed for "24. OBJECTIVES", then indicate "25. APPROACH".)										
27. KEYWORDS										
RECOMMENDED					APPROVED Check applicable one CONCURRED					
SIGNATURE	TITLE	DATE			SIGNATURE	TITLE	DATE			
28. AWARD DATE (Day, Mo., Yr.)		29. START DATE (Day, Mo., Yr.)		30. TERMINATION (Day, Mo., Yr.)		DURATION (Mos.)				
FOR USDA USE ☐ Project referred and cleared by all interested agencies for entry into CRIS.				SIGNATURE		DATE				

FORM AD-416 (12/78)

U. S. DEPARTMENT OF AGRICULTURE RESEARCH WORK UNIT/PROJECT DESCRIPTION - CLASSIFICATION OF RESEARCH U. S. DEPT. OF AGRICULTURE, STATE AGRICULTURAL EXPERIMENT STATION AND OTHER INSTITUTIONS							DATE (Day, Month, Year)		
1. AGENCY NO.		2. AGENCY IDENTIFICATION NO.		3. WORK UNIT/PROJECT NO.		31. MATCH MARKETING ☐ Yes ☐ No _____ %			
32. BASIC RESEARCH _____ %		33. APPLIED RESEARCH _____ %		34. DEVELOPMENT EFFORT _____ %		35. FORESTRY _____ %			
CLASSIFICATION BY ACTIVITY, COMMODITY, SCIENCE, AND RESEARCH PROBLEM AREA									
ACTIVITY		COMMODITY		SCIENCE		RESEARCH PROBLEM AREA		PRODUCT OF (2) X (4) X (6)	
CODE (1)	% (2)	CODE (3)	% (4)	CODE (5)	% (6)	CODE (7)	% (8)		
36.									
37.									
38.									
39.									
40.									
41.									
42.									
43.									
44.									
45.									
46.									
47.									
SPECIAL CLASSIFICATION									
Fields 48 - 77 are used to identify special areas of research such as, Pollution, Health and Medical, Tobacco-Health, Weather, Nuclear Radiation, Poverty, Natural Beauty, Sub-Commodities, Pesticide Targets, Water Resources, Energy, Home Economics, Sub-Activities (ARS) and Special Research Programs (ARS). Refer to your agency manual for specific codes and instructions.									
CODE	%	CODE	%	CODE	%	CODE	%	CODE	%
48.		54.		59.		66.		72.	
49.		55.		61.		67.		73.	
50.		56.		62.		68.		74.	
51.		57.		63.		69.		75.	
52.		58.		64.		70.		76.	
53.		59.		65.		71.		77.	
62. COOPERATORS A ☐ USDA B ☐ Other Federal Agencies C ☐ Industry and other D ☐ State					63. COOPERATING DEPARTMENTS WITHIN STATE PERFORMING INSTITUTION (List)				
64. REPORTING DEPARTMENT WITHIN STATE PERFORMING INSTITUTION					60.				
					61.				
					62.				

U.S. DEPARTMENT OF AGRICULTURE RESEARCH WORK UNIT/PROJECT DESCRIPTION - RESEARCH FUNDS AND MANPOWER				DATE (Day, Mo., Yr.)	
U.S. DEPARTMENT OF AGRICULTURE USE ONLY					
1. ACCESSION NO.	2. AGENCY IDENTIFICATION NO.	3. WORK UNIT/PROJECT NO.	4. 22-23 REGIONAL PROJECT NO.		
7. TITLE					

ALLOCATION OF RESEARCH FUNDS TO WORK UNIT/PROJECT AT LOCATION		FIELD NUMBER	
FEDERAL RESEARCH FUNDS USDA APPROPRIATIONS			
Regular, In House	(101)		
Regular, Contracts, Grants, Agreements with AES	(102)		
Regular, Contracts, Grants, Agreements with Others	(103)		
Special Funds (015) (ARS) In House	(104)		
Special Funds (010) (ARS) In House	(105)		
Forest Service Research Contracts	(106)		
Other USDA (Identify):	(107)		
TOTAL	(131)		
OTHER FEDERAL RESEARCH FUNDS			
Energy Research and Development Administration	(310)		
Agency for International Development	(308)		
Department of Defense	(311)		
National Institutes of Health	(316)		
Public Health Service	(312)		
Health Education and Welfare (Other)	(313)		
National Aeronautics and Space Administration	(314)		
Tennessee Valley Authority	(315)		
Foreign Agricultural Research (PL 480)	(117)		
Other Federal Funds (Identify):	(318)		
TOTAL	(332)		
NON-FEDERAL RESEARCH FUNDS			
Trust Funds, In House	(120)		
Trust Funds, Contracts, Grants, Agreements with AES	(121)		
Trust Funds, Contracts, Grants, Agreements with Others	(122)		
Other Non-Federal Funds (Identify):	(123)		
TOTAL	(133)		
TOTAL ALL RESEARCH FUNDS AT LOCATION		(134)	

STAFF SUPPORT		STAFF EFFORT (years)	
FEDERALLY EMPLOYED STAFF SUPPORT (Report nearest 0.1)		ACTUAL	ESTIMATE
Scientists (GS-11 and above)	(141)		
Professional Support	(142)		
Technical Support	(143)		
Clerical, Labor and Other	(144)		
TOTAL STAFF YEARS	(350)		

SUBMITTED BY	TITLE
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UNITED STATES DEPARTMENT OF AGRICULTURE RESEARCH WORK UNIT/PROJECT DESCRIPTION - RESEARCH FUNDS AND MANPOWER				DATE (Day, Mo., Year)	
FOR STATE AND OTHER NON-FEDERAL INSTITUTION USE					
1. ACCESSION NO.	2. AGENCY IDENTIFICATION NO.	3. WORK UNIT/PROJECT NO.	4. 22-23 REGIONAL PROJECT NO.		
7. TITLE					

ALLOCATION OF RESEARCH FUNDS TO WORK UNIT/PROJECT AT LOCATION		FIELD NUMBER	FY ACTUAL \$
FEDERAL RESEARCH FUNDS CSRS ADMINISTERED			
Hatch Funds	(201)		
Regional Research Funds	(202)		
McIntire Stennis Funds	(203)		
Special Grants for Research (PL 89-106)	(204)		
Other Funds (Identify):	(205)		
TOTAL	(231)		
OTHER FEDERAL RESEARCH FUNDS			
USDA Contracts Grants Co-op Agreements (Identify Agency)	(219)		
National Science Foundation	(209)		
Energy Research and Development Administration	(310)		
Agency for International Development	(308)		
Department of Defense	(311)		
National Institutes of Health	(316)		
Public Health Service	(312)		
Health, Education and Welfare	(313)		
National Aeronautics and Space Administration	(314)		
Tennessee Valley Authority	(315)		
Other (Identify)	(318)		
TOTAL	(332)		
NON-FEDERAL RESEARCH FUNDS			
State Appropriations	(220)		
Sale of Products	(221)		
Industry Grants and Agreements	(222)		
Other Non-Federal Funds	(223)		
TOTAL	(233)		
TOTAL ALL RESEARCH FUNDS AT LOCATION		(234)	

STAFF SUPPORT		STAFF EFFORT (years)	
NON-FEDERALLY EMPLOYED STAFF SUPPORT (Report nearest 0.1)		ACTUAL	ESTIMATED
Scientists (Asst. Prof. and above)	(241)		
Professional Support	(242)		
Technical Support	(243)		
Clerical, Labor and Other	(244)		
TOTAL STAFF YEARS	(350)		

SUBMITTED BY (Signature)	TITLE
--------------------------	-------

RESEARCH PROGRAM GROUP/RESEARCH PROGRAM

1.00 NATURAL RESOURCES

- 1.01 Soil and Land Use
- 1.02 Water and Watersheds
- 1.03 Recreation
- 1.04 Environmental Quality
- 1.05 Weather Modification
- 1.06 Fish and Wildlife
- 1.07 Remote Sensing

2.00 FORESTRY

- 2.01 Inventory and Appraisal of Forestry Resources
- 2.02 Timber Management
- 2.03 Forest Protection
- 2.04 Harvesting, Processing, Marketing of Forest Products
- 2.05 Forest Watersheds, Soils, Pollution
- 2.06 Forest, Range, Wildlife and Fisheries Habitat Development
- 2.07 Forest Recreation, Aesthetics, Landscape Values
- 2.08 Alternate Uses of Land
- 2.09 Technical Assistance

3.00 CROPS (Field and Horticultural)

- 3.01 Corn
- 3.02 Grain Sorghum
- 3.03 Wheat
- 3.04 Other Small Grains
- 3.05 Rice
- 3.06 Soybeans
- 3.07 Peanuts
- 3.08 Sugar
- 3.09 Forage, Pasture and Range
- 3.10 Cotton
- 3.11 Tobacco
- 3.12 New Crops and Minor Oilseeds
- 3.13 Fruit
- 3.14 Vegetable Crops
- 3.15 Plants to Enhance Man's Environment
- 3.16 Bees and Other Pollinating Insects

RESEARCH PROGRAM GROUP/RESEARCH PROGRAM

4.00 ANIMALS

- 4.01 Beef
- 4.02 Dairy
- 4.03 Poultry
- 4.04 Sheep
- 4.05 Swine
- 4.06 Other Animals
- 4.07 Aquatic Foods and Feedstuffs

5.00 PEOPLE, COMMUNITIES AND INSTITUTIONS

- 5.01 Food and Nutrition
- 5.02 Food Safety
- 5.03 Rural Development and Quality of Family Living
- 5.04 Insects Affecting Man and His Belongings
- 5.05 Research on Administration of Research

6.00 COMPETITION, TRADE, ADJUSTMENT, PRICE AND INCOME

- 6.01 Farm Adjustment, Prices and Income
- 6.02 Foreign Agricultural Trade and Economic Development
- 6.03 Marketing and Competition

7.00 GENERAL RESOURCE OR TECHNOLOGY

- 7.01 General Resource or Technology

9.00 UNCLASSIFIED

- 9.01 Unclassified

CLASSIFICATION CODESHEET FOR REPORT OF AGRICULTURAL RESEARCH

COMMODITY, RESOURCE OR TECHNOLOGY NOT
ASSOCIATED WITH SPECIFIC COMMODITIES

COMMODITIES OR RESOURCES

0100 Soil and Land
0200 Water
0300 Watersheds and River Basins
0400 Air and Climate
0500 Recreation Resources
0600 Trees, Forests and Forest Products (Excluding Edible Tree Nut
Crops (See 1015), and Tung (See 2560)
0700 Range
0800 Fish, Shellfish, Game and Fur-Bearing Animals and Other Wildlife
and their Habitats
0900 Citrus and Subtropical Fruit
1000 Deciduous and Small Fruits and Edible Tree Nuts
1100 Potatoes
1200 Vegetables
1300 Ornamentals and Turf
1400 Corn (Includes Popcorn). (For Sweetcorn, See 1280)
1500 Grain Sorghum
1600 Rice
1700 Wheat
1800 Other Small Grains
1900 Pasture
2000 Forage Crops
2100 Cotton (Including Cottonseed for Planting Purposes)
2200 Cottonseed (For Meal, Oil, etc.)
2300 Soybeans
2400 Peanuts
2500 Other Oilseed and Oil Crops (Excluding Cottonseed)
2600 Tobacco
2700 Sugar Crops
2800 Miscellaneous and New Crops
2900 Poultry
3000 Beef Cattle
3100 Dairy Cattle
3200 Swine
3300 Sheep and Wool
3400 Other Animals (See 0850 for Fur-Bearing Animals)
3500 Bees and Honey and Other Pollinating Insects
3600 General Purpose Supplies
Includes: Machinery, Equipment, Fertilizers, Feedstuffs, and
Pesticides
3700 Clothing and Textiles
3800 Food (Not Readily Associated with Specific Plant and Animal
Products)
3900 Structures and Facilities
4000 People as Individual Workers, Consumers and Members of Society
4100 The Family and Its Members
4200 The Farm as a Business Enterprise

COMMODITY OR RESOURCE

- 4300 Communities, Areas and Regions, including Counties and States and their Institutions and Organizations
- 4400 Agricultural Economy of United States and Sectors thereof, including interrelationships with the Total Economy
- 4500 Agricultural Economy of Foreign Countries and Sectors thereof, including Interrelationships with the Total Economy
- 4600 Farmer Cooperatives
- 4700 Marketing, Processing and Supply Firms other than Cooperatives
- 4800 Marketing Systems and Sectors thereof
- 6100 Weeds
- 6200 Seed Research
- 6300 Biological Cell Systems
- 6400 Experimental Design and Statistical Methods
- 6500 Invertebrates (Including Insects, Mites, Ticks, Snails, Slugs, and Leeches)
- 6600 Microorganisms, Viruses, Etc.
- 6700 Plants
- 6800 Animals (Vertebrates)
- 6900 Research on Research Management (Not Research Management per se)
- 7000 Research Equipment and Technology (Such as Remote Sensing)

RESEARCH PROBLEM AREAS (RPA'S)

GOAL I: INSURE A STABLE AND PRODUCTIVE AGRICULTURE FOR THE FUTURE THROUGH WISE MANAGEMENT OF NATURAL RESOURCES

- 101 Appraisal of Soil Resources
- 102 Soil, Plant, Water, Nutrient Relationships
- 103 Management of Saline and Sodic Soils and Salinity
- 104 Alternative Uses of Land
- 105 Conservation and Efficient Use of Water

- 106 Efficient Drainage and Irrigation Systems and Facilities
- 107 Watershed Protection and Management
- 108 Economic and Legal Problems in Management of Water and Watersheds
- 109 Adaptation to Weather and Weather Modification
- 110 Appraisal of Forest and Range Resources

- 111 Biology, Culture and Management of Forests and Timber-Related Crops
- 112 Improvement of Range Resources
- 113 Remote Sensing
- 114 Research on Management of Research

GOAL II: PROTECT FORESTS, CROPS AND LIVESTOCK FROM INSECTS, DISEASES AND OTHER HAZARDS

- 201 Control of Insects Affecting Forests
- 202 Control of Diseases, Parasites and Nematodes Affecting Forests
- 203 Prevention and Control of Forest and Range Fires
- 204 Control of Insects, Mites, Slugs, and Snails on Fruit and Vegetable Crops

- 205 Control of Diseases and Nematodes of Fruit and Vegetable Crops
- 206 Control of Weeds and Other Hazards to Fruit and Vegetable Crops
- 207 Control of Insects, Mites, Snails, and Slugs Affecting Field
Crops and Range
- 208 Control of Diseases and Nematodes of Field Crops and Range

- 209 Control of Weeds and Other Hazards of Field Crops and Range
- 210 Control of Insects and External Parasites Affecting Livestock, Poultry, and
Other Animals
- 211 Control of Diseases of Livestock, Poultry and Other Animals
- 212 Control of Internal Parasites of Livestock, Poultry, and Other Animals

- 213 Protect Livestock, Poultry and Other Animals from Toxic Chemicals,
Poisonous Plants, and Other Hazards
- 214 Protection of Plants, Animals, and Man from Harmful Effects of Pollution

GOAL III: PRODUCE AN ADEQUATE SUPPLY OF FARM AND FOREST PRODUCTS
AT DECREASING REAL PRODUCTION COSTS

- 301 Genetics and Breeding of Forest Trees
- 302 New and Improved Forest Engineering Systems
- 303 Economics of Timber Production
- 304 Improvement of Biological Efficiency of Fruit and Vegetable Crops
- 305 Mechanization of Fruit and Vegetable Crop Production

- 306 Production Management Systems for Fruits and Vegetables
- 307 Improvement of Biological Efficiency of Field Crops
- 308 Mechanization of Production of Field Crops
- 309 Production Management Systems for Field Crops
- 310 Reproductive Performance of Livestock, Poultry and Other Animals

- 311 Improvement of Biological Efficiency in Production of Livestock, Poultry and Other Animals
- 312 Environmental Stress in Production of Livestock, Poultry and Other Animals
- 313 Production Management Systems for Livestock, Poultry and Other Animals

- 314 Bees and Other Pollinating Insects
- 315 Improvement of Structures, Facilities and General Purpose Farm Supplies and Equipment
- 316 Farm Business Management
- 317 Mechanization and Structures Used in Production of Livestock, Poultry and Other Animals
- 318 Non-Commodity-Oriented Biological Technology and Biometry

GOAL IV: EXPAND THE DEMAND FOR FARM AND FOREST PRODUCTS BY DEVELOPING
NEW AND IMPROVED PRODUCTS AND PROCESSES AND ENHANCING
PRODUCT QUALITY

- 401 New and Improved Forest Products
- 402 Production of Fruit and Vegetable Crops with Improved Acceptability
- 403 New and Improved Fruit and Vegetable Products and Byproducts
- 404 Quality Maintenance in Storing and Marketing Fruits and Vegetables
- 405 Production of Field Crops with Improved Acceptability

- 406 New and Improved Food Products from Field Crops
- 407 New and Improved Feed, Textile, and Industrial Products from Field Crops

- 408 Quality Maintenance in Storing and Marketing Field Crops
- 409 Production of Animal Products with Improved Acceptability

- 410 New and Improved Meat, Milk, Eggs, and Other Animal Food Products
- 411 New and Improved Non-Food Animal Products
- 412 Quality Maintenance in Marketing Animal Products

GOAL V: IMPROVE EFFICIENCY IN THE MARKETING SYSTEM

- 501 Improvement of Grades and Standards--Crop and Animal Products
- 502 Development of Markets and Efficient Marketing of Timber and Related Products
- 503 Efficiency in Marketing Agricultural Products and Production Inputs*
- 506 Supply, Demand and Price Analysis--Crop and Animal Products
- 507 Competitive Interrelationships in Agriculture
- 508 Development of Domestic Markets for Farm Products
- 509 Performance of Marketing Systems
- 510 Group Action and Market Power
- 511 Improvement in Agricultural Statistics
- 512 Improvement of Grades and Standards of Forest Products
- 513 Supply, Demand and Price Analysis--Forest Products

GOAL VI: EXPAND EXPORT MARKETS AND ASSIST DEVELOPING NATIONS

- 601 Foreign Market Development
- 602 Evaluation of Foreign Food Aid Programs
- 603 Technical Assistance to Developing Countries
- 604 Product Development and Marketing for Foreign Markets

GOAL VII: PROTECT CONSUMER HEALTH AND IMPROVE NUTRITION AND WELL-BEING OF THE AMERICAN PEOPLE

- 701 Insure Food Products Free of Toxic Residues from Agricultural Sources
- 702 Protect Food and Feed Supplies from Harmful Microorganisms and Naturally Occurring Toxins
- 703 Food Choices, Habits, and Consumption
- 704 Home and Commercial Food Service
- 705 Selection and Care of Clothing and Household Textiles
- 706 Control of Insect Pests of Man and His Belongings
- 707 Prevent Transmission of Animal Diseases and Parasites to Man
- 708 Human Nutrition
- 709 Reduction of Hazards to Health and Safety

GOAL VIII: ASSIST RURAL AMERICANS TO IMPROVE THEIR LEVEL OF LIVING

- 801 Housing
- 802 Individual and Family Decision Making and Resource Use and Family Functioning
- 803 Causes of Poverty Among Rural People
- 804 Improvement of Economic Potential of Rural People

*This RPA incorporates research formerly included under RPA's 503, 504, and 505.

GOAL VIII: (Continued)

- 805 Communication and Education Processes
- 806 Individual and Family Adjustment to Change
- 807 Structural Changes in Agriculture
- 808 Government Programs to Balance Farm Output and Market Demand

GOAL IX: PROMOTE COMMUNITY IMPROVEMENT INCLUDING DEVELOPMENT OF BEAUTY,
RECREATION, ENVIRONMENT, ECONOMIC OPPORTUNITY, AND PUBLIC SERVICES

- 901 Alleviation of Soil, Water and Air Pollution and Disposal of Wastes
- 902 Outdoor Recreation
- 903 Multiple Use Potential of Forest Land and Evaluation of Forestry Programs
- 904 Fish and Other Marine Life, Fur-Bearing Animals and Other Wildlife
- 905 Trees to Enhance Rural and Urban Environment
- 906 Culture and Protection of Ornamentals and Turf
- 907 Improved Income Opportunities in Rural Communities
- 908 Improvement of Rural Community Institutions and Services

RESEARCH PROGRAM GROUP (RPG) 1.00 NATURAL RESOURCES

RESEARCH PROGRAM	COMMODITY/RESOURCE	AGRICULTURAL <u>1/</u> RPA	FORESTRY <u>2/</u> RPA
1.01 Soil and Land Use	0100, 6700	101-107	103,106, 105
	3900	--	--
1.02 Water and Watersheds	0200	102,103-108	102,103,104,106, 108
	0300	104,107,108,302,903	104,108,903
	3900	106,107	--
	6700	102,105	102,105
1.03 Recreation	0500, 0600	902,903	903
1.04 Environmental Quality	All Commodities	214,901	--
1.05 Weather Modification	All Commodities	109	109
1.06 Fish and Wildlife	0810,0830-0890,6500	410,903,904,412	410,903, 412
1.07 Remote Sensing	All Commodities	113	113

1/ All research except that included under Forestry.

2/ All research performed by "Forest Service," by "Forestry Schools," funded by McIntire-Stennis," or designated Forestry by the Cooperative Research.

NOTE: The designation "--" indicates no entry.

RESEARCH PROGRAM GROUP (RPG) 2.00 FORESTRY

RESEARCH PROGRAM	COMMODITY/RESOURCE	AGRICULTURAL <u>1</u> / RPA	FORESTRY <u>2</u> / RPA
2.01 Inventory and Appraisal of Forestry Resources	0100	110	110
	0200	110	110
	0500	110	110
	0600	110	110,113,318
	0700	--	110
	0810,0820,0821,0822	110	110
	0830-0890	110	110
	6400	--	318
	7000	--	110,113
2.02 Timber Management	0600	111,301, 112	111,301, 112
	2000	--	307
	7000	--	111
2.03 Forest Protection	0600	201-203	201-203
	0700	--	203
	0800	203	203
2.04 Harvesting, Processing, Marketing of Forest Products	0300	--	302
	0600	302,303,401,502, 512,513	302,303,401,502, 512,513,604,801, 808
	3600	513	513
	3900	401,513	401,513,801
	7000	--	302
2.05 Forest Watersheds, Soils Pollution	0100	--	101,102,107,901
	0200	--	105,107,901
	0300	--	107,901, 103
	0400	--	901
	0600	102,106,107, 103	107,214,901,106
	0700	--	107

1/ All research except that included under Forestry.

2/ All research performed by "Forest Service," by "Forestry Schools," funded by "McIntire-Stennis," or designated Forestry by the Cooperative Research.

NOTE: The designation "--" indicates no entry.

RESEARCH PROGRAM GROUP (RPG) 2.00 FORESTRY(Continued)

RESEARCH PROGRAM	COMMODITY/RESOURCE	AGRICULTURAL <u>1/</u> RPA	FORESTRY <u>2/</u> RPA
2.06 Forest, Range, Wild- life and Fisheries Habitat Development	0600 0700 0810,0830-0890 0820,0821,0822	904 -- -- --	904 112 904,112 904
2.07 Forest Recreation Aesthetics, Land- scape Values	0500 0600,1391 1000 1391	-- -- -- --	902 902,905 906 906
2.08 Alternate Uses of Land	0100 0200 0300 0500 0600 0700 0810,0830-0890 0820,0821,0822	-- -- -- -- 903 -- -- --	104 104 903 903 903 903 903 903
2.09 Technical Assistance	0600 4300	-- --	601,603 907

1/ All research except that included under Forestry.

2/ All research performed by "Forest Service," by "Forestry Schools," funded by McIntire-Stennis," or designated Forestry by the Cooperative Research.

NOTE: The designation "--" indicates no entry.

RESEARCH PROGRAM GROUP (RPG) 3.00 CROPS (FIELD AND HORTICULTURAL)

RESEARCH PROGRAM	COMMODITY/RESOURCE	AGRICULTURAL <u>1/</u> RPA	FORESTRY <u>2/</u> RPA
3.01 Corn	1400	102,105,106,107,112,207- 209,307-309, 315, 405- 408, 501	Same as Agricultural
3.02 Grain Sorghum	1500	Same as RP 3.01	Same as Agricultural
3.03 Wheat	1700	Same as RP 3.01	Same as Agricultural
3.04 Other Small Grains	1800	Same as RP 3.01	Same as Agricultural
3.05 Rice	1600	Same as RP 3.01	Same as Agricultural
3.06 Soybeans	2300	Same as RP 3.01	Same as Agricultural
3.07 Peanuts	2400	Same as RP 3.01	Same as Agricultural
3.08 Sugar	2700	Same as RP 3.01	Same as Agricultural
3.09 Forage, Pasture and Range	0700	102,107,110,112,203, 207-209,307.903,904,	102,207-209,307,903, 904
	1900	Same as RP 3.01	Same as Agricultural
	2000	Same as RP 3.01	105,207-209,308,309, 405-408,501,112,106

1/ All research except that included under Forestry.

2/ All research performed by "Forest Service," by "Forestry Schools," funded by "McIntire-Stennis," or designated Forestry by the Cooperative Research.

RESEARCH PROGRAM GROUP (RPG) 3.00 CROPS (FIELD AND HORTICULTURAL) (Continued)

RESEARCH PROGRAM	COMMODITY/RESOURCE	AGRICULTURAL ^{1/} RPA	FORESTRY ^{2/} RPA
3.10 Cotton	2100	105,207-209,307-309, 405, 507,408,501,709	Same as Agricultural
	2200	308,309,405-408,501	Same as Agricultural
3.11 Tobacco	2600	207-209,307-309,405, 407,408,501,709	Same as Agricultural
3.12 New Crops and Minor Oilseeds	2500	Same as RP 3.01	Same as Agricultural
	2800	204-209,304-309,402- 408,501,709	Same as Agricultural
3.13 Fruit	0900	204-206,304-306,402- 404,501	Same as Agricultural
	1000	Same as above plus 102, 906, 105, 106	Same as Agricultural
3.14 Vegetable Crops	1100	106,204-206,304-306, 402-404,501	Same as Agricultural
	1200	102,103,204-206,304- 306,402-404,501	Same as Agricultural
3.15 Plants to Enhance Man's Environment	0600	905	Same as Agricultural
	1300, 1310, 1320, 1330	105, 905,906, 102	Same as Agricultural
	1339		
	1391	905,106	--
3.16 Bees and Other Pollinating Insects	3500	314	Same as Agricultural

^{1/} All research except that included under Forestry.

^{2/} All research performed by "Forest Service," by "Forestry Schools," funded by McIntire-Stennis," or designated Forestry by the Cooperative Research.

NOTE: The designation "--" indicates no entry.

RESEARCH PROGRAM GROUP (RPG) 4.00 ANIMALS

RESEARCH PROGRAM	COMMODITY/RESOURCE	AGRICULTURAL <u>1</u> / RPA	FORESTRY <u>2</u> / RPA
4.01 Beef	3000	210-213,310-313, 317,409-412,501	Same as Agricultural
4.02 Dairy	3100	Same as RP 4.01	Same as Agricultural
4.03 Poultry	2900	Same as RP 4.01	Same as Agricultural
4.04 Sheep	3300	Same as RP 4.01	Same as Agricultural
4.05 Swine	3200	Same as RP 4.01	Same as Agricultural
4.06 Other Animals	3400	Same as RP 4.01	Same as Agricultural
4.07 Aquatic Foods and Feedstuffs	0820,0821,0822	410-412,501,903 904	Same as Agricultural

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1/ All research except that included under Forestry.

2/ All research performed by "Forest Service," by "Forestry Schools," or funded by
"McIntire-Stennis," or designated Forestry by the Cooperative Research.

RESEARCH PROGRAM GROUP (RPG) 5.00 PEOPLE, COMMUNITIES AND INSTITUTIONS

RESEARCH PROGRAM	COMMODITY/RESOURCE	AGRICULTURAL 1/ RPA	FORESTRY 2/ RPA
5.01 Food and Nutrition	3800	318,403-046,408- 410,412,501,703, 704,708	Same as Agricultural
	All Commodities	703,704,708	Same as Agricultural
5.02 Food Safety	3800	701,702	Same as Agricultural
	All Commodities	701,702	Same as Agricultural
5.03 Rural Development and Quality of Family Living	0600	801	Same as Agricultural
	3600	317,709	Same as Agricultural
	3700	705,709	Same as Agricultural
	3900	709,801	709
	4000	707,709,801-806 907	Same as Agricultural
	4100	707,801-806,907	Same as Agricultural
	4300	803,805,806,902, 907,908	803,805,806,908
5.04 Insects Affecting Man and his Belongings	All Commodities	706	Same as Agricultural
5.05 Research on Adminis- tration of Research	6900	114	Same as Agricultural

1/ All research except that included under Forestry.

2/ All research performed by "Forest Service," by "Forestry Schools," or funded by "McIntire-Stennis," or designated Forestry by the Cooperative Research.

RESEARCH PROGRAM GROUP (RPG) 6.00 COMPETITION, TRADE, ADJUSTMENT, PRICE AND INCOME

RESEARCH PROGRAM	COMMODITY/RESOURCE	AGRICULTURAL <u>1</u> / RPA	FORESTRY <u>2</u> / RPA
6.01 Farm Adjustment, Prices and Income	All Commodities except 0600 0600	315,316,511,807, 808 808	315,316,511,807, 808 --
6.02 Foreign Agricultural Trade and Economic	All Commodities except 0600 0600	601-604 604	Same as Agricultural --
6.03 Marketing and Compe- tition	All Commodities	503,506-510	Same as Agricultural

1/ All research except that included under Forestry.

2/ All research performed by "Forest Service," by "Forestry Schools," or funded by "McIntire-Stennis," or designated Forestry by the Cooperative Research.

NOTE: The designation "--" indicates no entry.

RESEARCH PROGRAM GROUP (RPG) 7.00 GENERAL RESOURCE OR TECHNOLOGY

RESEARCH PROGRAM	COMMODITY/RESOURCE	AGRICULTURAL <u>1</u> / RPA	FORESTRY <u>2</u> / RPA
7.01 General Resource or Technology	0600	318	Same as Agricultural
	3600	501	Same as Agricultural
	3900	317	Same as Agricultural
	6100	318	Same as Agricultural
	6200	304, 307, 318, 402, 408, 501	Same as Agricultural
	6300	318	Same as Agricultural
	6400	102, 318	--
	6500	211, 318	Same as Agricultural
	6600	102, 208, 318, 707	Same as Agricultural
	6700	204-209, 304-309, 318, 402-408, 501	Same as Agricultural
	6800	210-213, 310-313, 317, 318, 409-412 501	Same as Agricultural
	7000	110, 111, 302, 304, 311, 318, 405	304, 311, 318

1/ All research except that included under Forestry.

2/ All research performed by "Forest Service," by "Forestry Schools," or funded by "McIntire-Stennis," or designated Forestry by the Cooperative Research.

Note: The designation "--" indicates no entry.

TABLE V-C NATIONAL SUMMARY OF SCIENTIST-YEARS FOR FY 1978
RESEARCH PROGRAM GROUP SUMMARY

	AR	ESCS	FS	USDA TOTAL	SAES	OTH COOP INSTS	FORESTRY SCHOOLS	CR/SAES TOTAL	TOTAL
RPG 1.00: NATURAL RESOURCES	406.6	63.9	7.5	477.9	803.9	22.5	.5	826.9	1304.8
RPG 2.00: FOREST RESOURCES	7.9	.0	962.5	970.4	408.1	1.1	180.1	589.3	1559.7
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	1356.1	4.3	.0	1360.5	2455.6	36.7	.3	2492.7	3853.1
RPG 4.00: ANIMALS	469.9	1.8	.0	471.7	1211.9	22.4	.4	1234.6	1706.3
RPG 5.00: PEOPLE, COMMUNITIES, & INSTITUTIONS	345.3	64.9	.0	410.2	648.8	59.7	.4	708.9	1119.1
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	102.8	339.6	.0	442.4	348.0	8.4	.0	356.4	798.8
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	313.3	.0	.0	313.3	584.0	2.5	3.4	589.9	903.2
RPG 9.00: UNCLASSIFIED	7.9	.0	.0	7.9	112.4	.0	23.7	136.1	144.0
GRAND TOTAL	3009.8	474.5	970.0	4454.3	6572.8	153.3	208.8	6934.8	11389.1

TABLE V-C REGIONAL SUMMARY OF SCIENTIST-YEARS FOR FY 1978
RESEARCH PROGRAM GROUP SUMMARY

FOREIGN

	AR	ESCS	FS	USDA TOTAL	SAES	OTH COOP INSTS	FORESTRY SCHOOLS	CR/SAES TOTAL	TOTAL
RPG 1.00: NATURAL RESOURCES	.0	.0	.0	.0	.0	.0	.0	.0	.0
RPG 2.00: FOREST RESOURCES	1.2	.0	.0	1.2	.0	.0	.0	.0	1.2
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	11.7	.0	.0	11.7	.0	.0	.0	.0	11.7
RPG 4.00: ANIMALS	4.4	.0	.0	4.4	.0	.0	.0	.0	4.4
RPG 5.00: PEOPLE, COMMUNITIES, & INSTITUTIONS	3.1	.0	.0	3.1	.0	.0	.0	.0	3.1
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	11.8	.0	.0	11.8	.0	.0	.0	.0	11.8
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	3.2	.0	.0	3.2	.0	.0	.0	.0	3.2
GRAND TOTAL	35.5	.0	.0	35.5	.0	.0	.0	.0	35.5

TABLE V-C REGIONAL SUMMARY OF SCIENTIST-YEARS FOR FY 1978
RESEARCH PROGRAM GROUP SUMMARY

REGION 1

NORTHEAST REGION

	AR	ESCS	FS	USDA TOTAL	SAES	OTH COOP INSTS	FORESTRY SCHOOLS	CR/SAES TOTAL	TOTAL
RPG 1.00: NATURAL RESOURCES	79.4	38.2	.0	117.6	128.5	2.1	.0	130.6	248.1
RPG 2.00: FOREST RESOURCES	6.7	.0	115.0	121.7	79.6	.0	22.1	101.7	223.3
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	179.3	1.7	.0	181.1	297.9	.3	.0	298.2	479.3
RPG 4.00: ANIMALS	209.8	.0	.0	209.8	166.4	1.2	.0	168.0	377.8
RPG 5.00: PEOPLE, COMMUNITIES, & INSTITUTIONS	189.0	56.8	.0	245.8	154.9	4.1	.4	159.3	405.1
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	36.2	298.0	.0	334.2	56.6	.0	.0	56.6	390.8
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	142.4	.0	.0	142.4	87.2	.1	3.2	90.5	233.0
RPG 9.00: UNCLASSIFIED	.0	.0	.0	.0	27.7	.0	12.2	39.9	39.9
GRAND TOTAL	842.8	394.7	115.0	1352.5	999.2	7.7	37.9	1044.8	2397.3

TABLE V-C REGIONAL SUMMARY OF SCIENTIST-YEARS FOR FY 1978
RESEARCH PROGRAM GROUP SUMMARY

REGION 2

SOUTHERN REGION

	AR	ESCS	FS	USDA TOTAL	SAES	OTH COOP INSTS	FORESTRY SCHOOLS	CR/SAES TOTAL	TOTAL
RPG 1.00: NATURAL RESOURCES	116.4	4.0	.0	120.4	215.2	20.4	.0	235.5	355.9
RPG 2.00: FOREST RESOURCES	.0	.0	229.5	229.5	151.3	.9	15.7	167.8	397.3
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	572.4	1.7	.0	574.1	1025.9	34.4	.0	1060.3	1634.4
RPG 4.00: ANIMALS	82.1	.0	.0	82.1	468.3	19.2	.1	487.6	569.6
RPG 5.00: PEOPLE, COMMUNITIES, & INSTITUTIONS	64.2	4.3	.0	68.5	153.1	50.6	.0	203.7	272.1
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	29.9	21.6	.0	51.5	111.7	8.4	.0	120.1	171.6
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	68.4	.0	.0	68.4	120.7	1.9	.0	122.6	190.9
RPG 9.00: UNCLASSIFIED	.9	.0	.0	.9	44.7	.0	3.4	48.1	49.0
GRAND TOTAL	934.1	31.6	229.5	1195.2	2290.7	135.9	19.1	2445.7	3640.9

TABLE V-C REGIONAL SUMMARY OF SCIENTIST-YEARS FOR FY 1978

RESEARCH PROGRAM GROUP SUMMARY

REGION 3

NORTH CENTRAL REGION

	AR	ESCS	FS	USDA TOTAL	SAES	OTH COOP INIS	FORESTRY SCHOOLS	CR/SAES TOTAL	TOTAL
RPG 1.00: NATURAL RESOURCES	80.8	12.5	3.9	97.2	225.0	.0	.2	225.2	322.4
RPG 2.00: FOREST RESOURCES	.0	.0	246.8	246.8	94.8	.0	21.4	116.2	363.0
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	280.7	.9	.0	281.6	566.7	1.0	.2	567.9	849.5
RPG 4.00: ANIMALS	105.9	1.2	.0	107.1	357.3	2.0	.3	359.6	466.7
RPG 5.00: PEOPLE, COMMUNITIES, & INSTITUTIONS	55.5	3.6	.0	59.1	183.1	5.0	.0	188.1	247.2
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	10.2	14.9	.0	25.1	113.0	.0	.0	113.0	138.1
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	65.0	.0	.0	65.0	183.4	.5	.0	183.9	248.9
RPG 9.00: UNCLASSIFIED	.0	.0	.0	.0	23.0	.0	1.2	24.2	24.2
GRAND TOTAL	598.0	33.1	250.7	881.8	1746.4	8.5	23.3	1778.2	2660.0

TABLE V-C REGIONAL SUMMARY OF SCIENTIST-YEARS FOR FY 1978

RESEARCH PROGRAM GROUP SUMMARY

REGION 4

WESTERN REGION

	AR	ESCS	FS	USDA TOTAL	SAES	OTH COOP INIS	FORESTRY SCHOOLS	CR/SAES TOTAL	TOTAL
RPG 1.00: NATURAL RESOURCES	130.0	9.2	3.6	142.8	235.2	.0	.4	235.6	378.4
RPG 2.00: FOREST RESOURCES	.0	.0	371.2	371.2	82.5	.2	120.9	203.6	574.9
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	312.0	.0	.0	312.0	565.2	1.0	.1	566.3	878.2
RPG 4.00: ANIMALS	67.7	.6	.0	68.3	219.5	.0	.0	219.5	287.7
RPG 5.00: PEOPLE, COMMUNITIES, & INSTITUTIONS	33.6	.2	.0	33.8	157.8	.0	.0	157.8	191.6
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	14.8	5.1	.0	19.9	66.7	.0	.0	66.7	86.6
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	34.3	.0	.0	34.3	192.7	.0	.2	192.8	227.1
RPG 9.00: UNCLASSIFIED	7.0	.0	.0	7.0	17.0	.0	6.9	23.9	30.9
GRAND TOTAL	599.4	15.1	374.8	989.3	1536.5	1.2	128.5	1666.2	2655.5

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978
RESEARCH PROGRAM GROUP SUMMARY

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978							FOREIGN		
RESEARCH PROGRAM GROUP SUMMARY							ARGENTINA		
	AR	ESCS	FS	USDA TOTAL	SAES	OTH COOP INSTS	FORESTRY SCHOOLS	CR/SAES TOTAL	TOTAL
RPG 1.00: NATURAL RESOURCES	.0	.0	.0	.0	.0	.0	.0	.0	.0
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	.0	.0	.0	.0	.0	.0	.0	.0	.0
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	.0	.0	.0	.0	.0	.0	.0	.0	.0
GRAND TOTAL	.0	.0	.0	.0	.0	.0	.0	.0	.0

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978
RESEARCH PROGRAM GROUP SUMMARY

STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978							FOREIGN		
RESEARCH PROGRAM GROUP SUMMARY							AUSTRALIA		
	AR	ESCS	FS	USDA TOTAL	SAES	OTH COOP INSTS	FORESTRY SCHOOLS	CR/SAES TOTAL	TOTAL
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	.0	.0	.0	.0	.0	.0	.0	.0	.0
GRAND TOTAL	.0	.0	.0	.0	.0	.0	.0	.0	.0

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978
RESEARCH PROGRAM GROUP SUMMARY

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978							FOREIGN		
RESEARCH PROGRAM GROUP SUMMARY							CANAL ZONE		
	AR	ESCS	FS	USDA TOTAL	SAES	OTH COOP INSTS	FORESTRY SCHOOLS	CR/SAES TOTAL	TOTAL
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	.3	.0	.0	.3	.0	.0	.0	.0	.3
GRAND TOTAL	.3	.0	.0	.3	.0	.0	.0	.0	.3

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978
RESEARCH PROGRAM GROUP SUMMARY

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978							FOREIGN		
RESEARCH PROGRAM GROUP SUMMARY							EL SALVADOR		
	AR	ESCS	FS	USDA TOTAL	SAES	OTH COOP INSTS	FORESTRY SCHOOLS	CR/SAES TOTAL	TOTAL
RPG 5.00: PEOPLE, COMMUNITIES, & INSTITUTIONS	2.2	.0	.0	2.2	.0	.0	.0	.0	2.2
GRAND TOTAL	2.2	.0	.0	2.2	.0	.0	.0	.0	2.2

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978
RESEARCH PROGRAM GROUP SUMMARY

TABLE V-C		STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978						FOREIGN		
RESEARCH PROGRAM GROUP SUMMARY		FRANCE								
		AR	ESCS	FS	USDA TOTAL	SAES	OTH COOP INSTS	FORESTRY SCHOOLS	CR/SAES TOTAL	TOTAL
RPG 2.00:	FOREST RESOURCES	.6	.0	.0	.6	.0	.0	.0	.0	.6
RPG 3.00:	CROPS (FIELD & HORTICULTURAL)	.6	.0	.0	.6	.0	.0	.0	.0	.6
RPG 7.00:	GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	.8	.0	.0	.8	.0	.0	.0	.0	.8
GRAND TOTAL		2.1	.0	.0	2.1	.0	.0	.0	.0	2.1

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978
RESEARCH PROGRAM GROUP SUMMARY

STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978							FOREIGN		
RESEARCH PROGRAM GROUP SUMMARY							ITALY		
	AR	ESCS	FS	USDA TOTAL	SAES	OTH COOP INSTS	FORESTRY SCHOOLS	CR/SAES TOTAL	TOTAL
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	1.8	.0	.0	1.8	.0	.0	.0	.0	1.8
GRAND TOTAL	1.8	.0	.0	1.8	.0	.0	.0	.0	1.8

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978
RESEARCH PROGRAM GROUP SUMMARY

TABLE V-C		STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978						FOREIGN		
RESEARCH PROGRAM GROUP SUMMARY		JAPAN								
	AR	ESCS	FS	USDA TOTAL	SAES	OTH COOP INSTS	FORESTRY SCHOOLS	CR/SAES TOTAL	TOTAL	
RPG 2.00: FOREST RESOURCES	.6	.0	.0	.6	.0	.0	.0	.0	.6	
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	.4	.0	.0	.4	.0	.0	.0	.0	.4	
GRAND TOTAL	1.0	.0	.0	1.0	.0	.0	.0	.0	1.0	

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978
RESEARCH PROGRAM GROUP SUMMARY

STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978							FOREIGN		
RESEARCH PROGRAM GROUP SUMMARY							KENYA		
	AR	ESCS	FS	USDA TOTAL	SAES	OTH COOP INSTS	FORESTRY SCHOOLS	CR/SAES TOTAL	TOTAL
RPG 4.00: ANIMALS	1.0	.0	.0	1.0	.0	.0	.0	.0	1.0
GRAND TOTAL	1.0	.0	.0	1.0	.0	.0	.0	.0	1.0

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978
RESEARCH PROGRAM GROUP SUMMARY

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978										FOREIGN
RESEARCH PROGRAM GROUP SUMMARY										NETHERLANDS
	AR	ESCS	FS	USDA TOTAL	SAES	OTH COOP INSTS	FORESTRY SCHOOLS	CR/SAES TOTAL	TOTAL	
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	.3	.0	.0	.3	.0	.0	.0	.0	.3	
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	1.5	.0	.0	1.5	.0	.0	.0	.0	1.5	
GRAND TOTAL	1.8	.0	.0	1.8	.0	.0	.0	.0	1.8	

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978
RESEARCH PROGRAM GROUP SUMMARY

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1970		FOREIGN							
RESEARCH PROGRAM GROUP SUMMARY		PAKISTAN							
	AR	ESCS	FS	USDA TOTAL	SAES	OTH COOP INSTS	FORESTRY SCHOOLS	CR/SAES TOTAL	TOTAL
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	.2	.0	.0	.2	.0	.0	.0	.0	.2
GRAND TOTAL	.2	.0	.0	.2	.0	.0	.0	.0	.2

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978
RESEARCH PROGRAM GROUP SUMMARY

TABLE V-C		STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978						FOREIGN	
RESEARCH PROGRAM GROUP SUMMARY		SCOTLAND							
	AR	ESCS	FS	USDA TOTAL	SAES	OTH COOP INSTS	FORESTRY SCHOOLS	CR/SAES TOTAL	TOTAL
RPG 5.00: PEOPLE, COMMUNITIES, & INSTITUTIONS	.0	.0	.0	.0	.0	.0	.0	.0	.0
GRAND TOTAL	.0	.0	.0	.0	.0	.0	.0	.0	.0

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978
RESEARCH PROGRAM GROUP SUMMARY

TABLE V-C		STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978							FOREIGN	
RESEARCH PROGRAM GROUP SUMMARY									SPAIN	
		AR	ESCS	FS	USDA TOTAL	SAES	OTH COOP INSTS	FORESTRY SCHOOLS	CR/SAES TOTAL	TOTAL
RPG 4.00: ANIMALS		.0	.0	.0	.0	.0	.0	.0	.0	.0
GRAND TOTAL		.0	.0	.0	.0	.0	.0	.0	.0	.0

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978

RESEARCH PROGRAM GROUP SUMMARY

FOREIGN

TAIWAN

	AR	ESCS	FS	USDA TOTAL	SAES	OTH COOP INSTS	FORESTRY SCHOOLS	CR/SAES TOTAL	TOTAL
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	2.4	.0	.0	2.4	.0	.0	.0	.0	2.4
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	10.0	.0	.0	10.0	.0	.0	.0	.0	10.0
GRAND TOTAL	12.4	.0	.0	12.4	.0	.0	.0	.0	12.4

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978

RESEARCH PROGRAM GROUP SUMMARY

FOREIGN

TANZANIA

	AR	ESCS	FS	USDA TOTAL	SAES	OTH COOP INSTS	FORESTRY SCHOOLS	CR/SAES TOTAL	TOTAL
RPG 4.00: ANIMALS	3.4	.0	.0	3.4	.0	.0	.0	.0	3.4
RPG 5.00: PEOPLE, COMMUNITIES, & INSTITUTIONS	.9	.0	.0	.9	.0	.0	.0	.0	.9
GRAND TOTAL	4.3	.0	.0	4.3	.0	.0	.0	.0	4.3

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978

RESEARCH PROGRAM GROUP SUMMARY

FOREIGN

THAILAND

	AR	ESCS	FS	USDA TOTAL	SAES	OTH COOP INSTS	FORESTRY SCHOOLS	CR/SAES TOTAL	TOTAL
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	6.4	.0	.0	6.4	.0	.0	.0	.0	6.4
GRAND TOTAL	6.4	.0	.0	6.4	.0	.0	.0	.0	6.4

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978

RESEARCH PROGRAM GROUP SUMMARY

FOREIGN

TURKEY

	AR	ESCS	FS	USDA TOTAL	SAES	OTH COOP INSTS	FORESTRY SCHOOLS	CR/SAES TOTAL	TOTAL
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	2.0	.0	.0	2.0	.0	.0	.0	.0	2.0
GRAND TOTAL	2.0	.0	.0	2.0	.0	.0	.0	.0	2.0

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978
RESEARCH PROGRAM GROUP SUMMARY

				REGION 1					
				CONNECTICUT					
	AR	ESCS	FS	USDA TOTAL	CONN NEW HAVEN	CONN STORRS	FORESTRY SCHOOLS	CR/SAES TOTAL	TOTAL
RPG 1.00: NATURAL RESOURCES	.0	.0	.0	.0	5.9	3.6	.0	9.5	9.5
RPG 2.00: FOREST RESOURCES	.0	.0	16.5	16.5	6.9	1.9	.0	8.9	25.4
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	.0	.0	.0	.0	18.9	5.0	.0	23.9	23.9
RPG 4.00: ANIMALS	.0	.0	.0	.0	1.0	7.8	.0	8.8	8.8
RPG 5.00: PEOPLE, COMMUNITIES, & INSTITUTIONS	.0	.0	.0	.0	3.4	4.2	.0	7.5	7.5
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	.0	.0	.0	.0	.0	1.6	.0	1.6	1.6
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	.0	.0	.0	.0	3.8	.1	.0	4.0	4.0
RPG 9.00: UNCLASSIFIED	.0	.0	.0	.0	.0	9.0	.0	9.0	9.0
GRAND TOTAL	.0	.0	16.5	16.5	39.9	33.2	.0	73.1	89.6

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978
RESEARCH PROGRAM GROUP SUMMARY

				REGION 1					
				DELAWARE					
	AR	ESCS	FS	USDA TOTAL	SAES	OTH COOP INSTS	FORESTRY SCHOOLS	CR/SAES TOTAL	TOTAL
RPG 1.00: NATURAL RESOURCES	.0	.0	.0	.0	3.2	1.6	.0	4.8	4.8
RPG 2.00: FOREST RESOURCES	1.2	.0	.0	1.2	1.9	.0	.0	1.9	3.1
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	.0	.0	.0	.0	7.4	.1	.0	7.5	7.5
RPG 4.00: ANIMALS	1.2	.0	.0	1.2	5.8	.6	.0	6.3	7.5
RPG 5.00: PEOPLE, COMMUNITIES, & INSTITUTIONS	.2	.0	.0	.2	2.3	2.7	.0	5.0	5.2
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	.0	.0	.0	.0	1.7	.0	.0	1.7	1.7
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	3.7	.0	.0	3.7	.1	.1	.0	.2	3.9
RPG 9.00: UNCLASSIFIED	.0	.0	.0	.0	.0	.0	.0	.0	.0
GRAND TOTAL	6.2	.0	.0	6.2	22.4	5.0	.0	27.4	33.6

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978
RESEARCH PROGRAM GROUP SUMMARY

				REGION 1					
				DISTRICT OF COLUMBIA					
	AR	ESCS	FS	USDA TOTAL	SAES	OTH COOP INSTS	FORESTRY SCHOOLS	CR/SAES TOTAL	TOTAL
RPG 1.00: NATURAL RESOURCES	.0	31.7	.0	31.7	.7	.0	.0	.7	32.4
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	11.1	1.7	.0	12.8	.0	.0	.0	.0	12.8
RPG 5.00: PEOPLE, COMMUNITIES, & INSTITUTIONS	3.6	53.6	.0	57.2	.1	.0	.0	.1	57.3
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	.0	296.1	.0	296.1	.1	.0	.0	.1	296.1
GRAND TOTAL	14.7	383.1	.0	397.8	.8	.0	.0	.8	398.6

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978
RESEARCH PROGRAM GROUP SUMMARY

REGION 1 MAINE									
	AR	ESCS	FS	USDA TOTAL	SAES	OTH COOP INSTS	FORESTRY SCHOOLS	CR/SAES TOTAL	TOTAL
RPG 1.00: NATURAL RESOURCES	1.7	.0	.0	1.7	6.7	.0	.0	6.7	8.4
RPG 2.00: FOREST RESOURCES	.0	.0	7.0	7.0	17.6	.0	.0	17.6	24.6
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	5.0	.0	.0	5.0	13.7	.0	.0	13.7	18.7
RPG 4.00: ANIMALS	.0	.0	.0	.0	10.1	.0	.0	10.1	10.1
RPG 5.00: PEOPLE, COMMUNITIES, & INSTITUTIONS	.0	.0	.0	.0	6.3	.0	.0	6.3	6.3
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	.0	.0	.0	.0	4.8	.0	.0	4.8	4.8
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	.0	.0	.0	.0	1.9	.0	.0	1.9	1.9
RPG 9.00: UNCLASSIFIED	.0	.0	.0	.0	.6	.0	.0	.6	.6
GRAND TOTAL	6.7	.0	7.0	13.7	61.7	.0	.0	61.7	75.4

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978
RESEARCH PROGRAM GROUP SUMMARY

REGION 1 MARYLAND									
	AR	ESCS	FS	USDA TOTAL	SAES	OTH COOP INSTS	FORESTRY SCHOOLS	CR/SAES TOTAL	TOTAL
RPG 1.00: NATURAL RESOURCES	43.5	.0	.0	43.5	6.8	.5	.0	7.3	50.8
RPG 2.00: FOREST RESOURCES	3.1	.0	5.0	8.1	6.8	.0	.0	6.8	14.8
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	116.6	.0	.0	116.6	24.4	.3	.0	24.6	141.2
RPG 4.00: ANIMALS	97.5	.0	.0	97.5	24.7	.6	.0	25.3	122.8
RPG 5.00: PEOPLE, COMMUNITIES, & INSTITUTIONS	111.8	.0	.0	111.8	8.4	1.4	.0	9.7	121.5
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	34.6	.0	.0	34.6	4.4	.0	.0	4.4	39.0
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	131.6	.0	.0	131.6	4.4	.0	.0	4.4	135.9
GRAND TOTAL	538.6	.0	5.0	543.6	79.7	2.7	.0	82.4	626.0

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978
RESEARCH PROGRAM GROUP SUMMARY

REGION 1 MASSACHUSETTS									
	AR	ESCS	FS	USDA TOTAL	SAES	OTH COOP INSTS	FORESTRY SCHOOLS	CR/SAES TOTAL	TOTAL
RPG 1.00: NATURAL RESOURCES	.0	.0	.0	.0	6.0	.0	.0	6.0	6.0
RPG 2.00: FOREST RESOURCES	2.4	.0	4.7	7.1	4.7	.0	.0	4.7	11.8
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	.6	.0	.0	.6	16.4	.0	.0	16.4	17.0
RPG 4.00: ANIMALS	.0	.0	.0	.0	6.9	.0	.0	6.9	6.9
RPG 5.00: PEOPLE, COMMUNITIES, & INSTITUTIONS	.0	.0	.0	.0	9.8	.0	.0	9.8	9.8
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	.0	.0	.0	.0	1.2	.0	.0	1.2	1.2
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	.0	.0	.0	.0	1.5	.0	.0	1.5	1.5
GRAND TOTAL	3.0	.0	4.7	7.7	46.4	.0	.0	46.4	54.1

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978
RESEARCH PROGRAM GROUP SUMMARY

REGION 1
NEW HAMPSHIRE

	AR	ESCS	FS	USDA TOTAL	SAES	OTH COOP INSTS	FORESTRY SCHOOLS	CR/SAES TOTAL	TOTAL
RPG 1.00: NATURAL RESOURCES	.0	1.0	.0	1.0	2.6	.0	.0	2.6	3.6
RPG 2.00: FOREST RESOURCES	.0	.0	18.0	18.0	6.8	.0	.0	6.8	24.8
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	.0	.0	.0	.0	4.9	.0	.0	4.9	4.9
RPG 4.00: ANIMALS	.0	.0	.0	.0	5.9	.0	.0	5.9	5.9
RPG 5.00: PEOPLE, COMMUNITIES, & INSTITUTIONS	.0	1.0	.0	1.0	3.7	.0	.0	3.7	4.7
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	.0	.9	.0	.9	.9	.0	.0	.9	1.8
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	.0	.0	.0	.0	1.8	.0	.0	1.8	1.8
RPG 9.00: UNCLASSIFIED	.0	.0	.0	.0	.3	.0	.0	.3	.3
GRAND TOTAL	.0	2.9	18.0	20.9	26.8	.0	.0	26.8	47.7

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978
RESEARCH PROGRAM GROUP SUMMARY

REGION 1
NEW JERSEY

	AR	ESCS	FS	USDA TOTAL	SAES	OTH COOP INSTS	FORESTRY SCHOOLS	CR/SAES TOTAL	TOTAL
RPG 1.00: NATURAL RESOURCES	.0	.0	.0	.0	25.4	.0	.0	25.4	25.4
RPG 2.00: FOREST RESOURCES	.0	.0	3.0	3.0	4.8	.0	.0	4.8	7.8
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	5.1	.0	.0	5.1	24.4	.0	.0	24.4	29.5
RPG 4.00: ANIMALS	.0	.0	.0	.0	8.0	.0	.0	8.0	8.0
RPG 5.00: PEOPLE, COMMUNITIES, & INSTITUTIONS	.0	.0	.0	.0	26.7	.0	.0	26.7	26.7
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	.0	.0	.0	.0	3.6	.0	.0	3.6	3.6
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	.0	.0	.0	.0	9.1	.0	.0	9.1	9.1
RPG 9.00: UNCLASSIFIED	.0	.0	.0	.0	.1	.0	.0	.1	.1
GRAND TOTAL	5.1	.0	3.0	8.1	102.0	.0	.0	102.0	110.1

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978
RESEARCH PROGRAM GROUP SUMMARY

REGION 1
NEW YORK

	AR	ESCS	FS	USDA TOTAL	NEW YORK ITHACA	NEW YORK GENEVA	FORESTRY SCHOOLS	CR/SAES TOTAL	TOTAL
RPG 1.00: NATURAL RESOURCES	4.7	1.5	.0	6.2	34.0	2.3	.0	36.3	42.5
RPG 2.00: FOREST RESOURCES	.0	.0	1.0	1.0	4.2	.0	18.3	22.5	23.5
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	10.3	.0	.0	10.3	49.4	60.6	.0	110.1	120.4
RPG 4.00: ANIMALS	39.9	.0	.0	39.9	49.3	.4	.0	49.7	89.5
RPG 5.00: PEOPLE, COMMUNITIES, & INSTITUTIONS	2.7	1.0	.0	3.7	56.1	5.6	.0	61.8	65.4
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	.9	.0	.0	.9	16.0	.0	.0	16.0	16.9
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	4.9	.0	.0	4.9	42.6	5.9	3.2	51.7	56.5
RPG 9.00: UNCLASSIFIED	.0	.0	.0	.0	17.1	.0	12.2	29.3	29.3
GRAND TOTAL	63.3	2.5	1.0	66.8	268.6	74.9	33.7	377.2	444.0

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978
RESEARCH PROGRAM GROUP SUMMARY

REGION 1 PENNSYLVANIA									
	AR	ESCS	FS	USDA TOTAL	SAES	OTH COOP INSTS	FORESTRY SCHOOLS	CR/SAES TOTAL	TOTAL
RPG 1.00: NATURAL RESOURCES	21.6	3.0	.0	24.6	10.3	.0	.0	10.3	34.9
RPG 2.00: FOREST RESOURCES	.0	.0	18.6	18.6	12.4	.0	.0	12.4	31.0
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	30.6	.0	.0	30.6	44.1	.0	.0	44.1	74.7
RPG 4.00: ANIMALS	71.3	.0	.0	71.3	25.9	.0	.0	25.9	97.2
RPG 5.00: PEOPLE, COMMUNITIES, & INSTITUTIONS	70.8	1.2	.0	72.0	16.8	.0	.0	16.8	88.8
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	.7	1.0	.0	1.7	16.5	.0	.0	16.5	18.2
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	2.3	.0	.0	2.3	11.1	.0	.0	11.1	13.4
RPG 9.00: UNCLASSIFIED	.0	.0	.0	.0	.3	.0	.0	.3	.3
GRAND TOTAL	197.3	5.2	18.6	221.1	137.4	.0	.0	137.4	358.5

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978
RESEARCH PROGRAM GROUP SUMMARY

REGION 1 RHODE ISLAND									
	AR	ESCS	FS	USDA TOTAL	SAES	OTH COOP INSTS	FORESTRY SCHOOLS	CR/SAES TOTAL	TOTAL
RPG 1.00: NATURAL RESOURCES	.0	.0	.0	.0	9.8	.0	.0	9.8	9.8
RPG 2.00: FOREST RESOURCES	.0	.0	.0	.0	2.0	.0	.0	2.0	2.0
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	.0	.0	.0	.0	11.9	.0	.0	11.9	11.9
RPG 4.00: ANIMALS	.0	.0	.0	.0	7.5	.0	.0	7.5	7.5
RPG 5.00: PEOPLE, COMMUNITIES, & INSTITUTIONS	.0	.0	.0	.0	6.6	.0	.0	6.6	6.6
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	.0	.0	.0	.0	.2	.0	.0	.2	.2
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	.0	.0	.0	.0	.4	.0	.0	.4	.4
RPG 9.00: UNCLASSIFIED	.0	.0	.0	.0	.0	.0	.0	.0	.0
GRAND TOTAL	.0	.0	.0	.0	38.4	.0	.0	38.4	38.4

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978
RESEARCH PROGRAM GROUP SUMMARY

REGION 1 VERMONT									
	AR	ESCS	FS	USDA TOTAL	SAES	OTH COOP INSTS	FORESTRY SCHOOLS	CR/SAES TOTAL	TOTAL
RPG 1.00: NATURAL RESOURCES	.0	.0	.0	.0	5.3	.0	.0	5.3	5.3
RPG 2.00: FOREST RESOURCES	.0	.0	8.8	8.8	2.3	.0	3.8	6.1	14.9
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	.0	.0	.0	.0	5.2	.0	.0	5.2	5.2
RPG 4.00: ANIMALS	.0	.0	.0	.0	5.3	.0	.0	5.3	5.3
RPG 5.00: PEOPLE, COMMUNITIES, & INSTITUTIONS	.0	.0	.0	.0	3.2	.0	.4	3.6	3.6
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	.0	.0	.0	.0	2.4	.0	.0	2.4	2.4
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	.0	.0	.0	.0	3.8	.0	.0	3.8	3.8
RPG 9.00: UNCLASSIFIED	.0	.0	.0	.0	.0	.0	.0	.0	.0
GRAND TOTAL	.0	.0	8.8	8.8	27.4	.0	4.2	31.6	40.4

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978
RESEARCH PROGRAM GROUP SUMMARY

REGION 1
WEST VIRGINIA

	AR	ESCS	FS	USDA TOTAL	SAES	OTH COOP INSTS	FORESTRY SCHOOLS	CR/SAES TOTAL	TOTAL
RPG 1.00: NATURAL RESOURCES	7.9	1.0	.0	8.9	6.1	.0	.0	6.1	15.0
RPG 2.00: FOREST RESOURCES	.0	.0	32.4	32.4	7.3	.0	.0	7.3	39.7
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	.0	.0	.0	.0	11.7	.0	.0	11.7	11.7
RPG 4.00: ANIMALS	.0	.0	.0	.0	8.4	.0	.0	8.4	8.4
RPG 5.00: PEOPLE, COMMUNITIES, & INSTITUTIONS	.0	.0	.0	.0	1.6	.0	.0	1.6	1.6
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	.0	.0	.0	.0	3.4	.0	.0	3.4	3.4
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	.0	.0	.0	.0	.8	.0	.0	.8	.8
RPG 9.00: UNCLASSIFIED	.0	.0	.0	.0	.3	.0	.0	.3	.3
GRAND TOTAL	7.9	1.0	32.4	41.3	39.6	.0	.0	39.6	80.9

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978
RESEARCH PROGRAM GROUP SUMMARY

	REGION 2								
	ALABAMA								
	AR	ESCS	FS	USDA TOTAL	SAES	ALABAMA TUSKEGEE	ALABAMA MORRAL	CR/SAES TOTAL	TOTAL
RPG 1.00: NATURAL RESOURCES	9.0	.0	.0	9.0	16.2	.0	.0	16.2	25.2
RPG 2.00: FOREST RESOURCES	.0	.0	6.0	6.0	13.9	.0	.9	14.8	20.8
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	2.3	.0	.0	2.3	48.8	2.1	5.2	56.0	58.3
RPG 4.00: ANIMALS	3.4	.0	.0	3.4	42.8	3.2	2.1	48.2	51.6
RPG 5.00: PEOPLE, COMMUNITIES, & INSTITUTIONS	1.9	.0	.0	1.9	7.8	2.5	.4	10.7	12.6
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	1.2	.0	.0	1.2	5.3	.0	.0	5.3	6.5
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	3.1	.0	.0	3.1	6.4	.0	.2	6.7	9.8
RPG 9.00: UNCLASSIFIED	.0	.0	.0	.0	.5	.0	.0	.5	.5
GRAND TOTAL	20.9	.0	6.0	26.9	141.8	7.8	8.8	158.4	185.3

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978
RESEARCH PROGRAM GROUP SUMMARY

	REGION 2								
	ARKANSAS								
	AR	ESCS	FS	USDA TOTAL	SAES	OTH COOP INSTS	FORESTRY SCHOOLS	CR/SAES TOTAL	TOTAL
RPG 1.00: NATURAL RESOURCES	.0	1.0	.0	1.0	11.8	1.1	.0	12.8	13.8
RPG 2.00: FOREST RESOURCES	.0	.0	3.5	3.5	8.6	.0	.0	8.6	12.1
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	2.0	.0	.0	2.0	44.8	2.7	.0	47.5	49.5
RPG 4.00: ANIMALS	.0	.0	.0	.0	21.1	2.0	.0	23.0	23.0
RPG 5.00: PEOPLE, COMMUNITIES, & INSTITUTIONS	.0	.0	.0	.0	7.1	4.6	.0	11.7	11.7
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	.0	.3	.0	.3	4.8	.0	.0	4.8	5.1
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	.0	.0	.0	.0	4.1	.0	.0	4.1	4.1
GRAND TOTAL	2.0	1.3	3.5	6.8	102.2	10.3	.0	112.5	119.3

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978
RESEARCH PROGRAM GROUP SUMMARY

	REGION 2								
	FLORIDA								
	AR	ESCS	FS	USDA TOTAL	SAES	OTH COOP INSTS	FORESTRY SCHOOLS	CR/SAES TOTAL	TOTAL
RPG 1.00: NATURAL RESOURCES	4.9	.0	.0	4.9	51.9	7.2	.0	59.1	63.9
RPG 2.00: FOREST RESOURCES	.0	.0	12.8	12.8	15.0	.0	.0	15.0	27.8
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	63.1	.0	.0	63.1	199.1	3.0	.0	202.1	265.3
RPG 4.00: ANIMALS	3.0	.0	.0	3.0	53.4	2.2	.0	55.6	58.6
RPG 5.00: PEOPLE, COMMUNITIES, & INSTITUTIONS	18.4	.0	.0	18.4	17.0	7.6	.0	24.6	43.0
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	7.1	2.1	.0	9.2	13.4	.0	.0	13.4	22.6
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	17.5	.0	.0	17.5	21.2	.0	.0	21.2	38.7
RPG 9.00: UNCLASSIFIED	.0	.0	.0	.0	4.8	.0	.0	4.8	4.8
GRAND TOTAL	113.9	2.1	12.8	128.8	375.9	20.0	.0	395.9	524.7

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978
RESEARCH PROGRAM GROUP SUMMARY

REGION 2
GEORGIA

	AR	ESCS	FS	USDA TOTAL	SAES	OTH COOP INSTS	FORESTRY SCHOOLS	CR/SAES TOTAL	TOTAL
RPG 1.00: NATURAL RESOURCES	17.6	1.2	.0	18.8	9.3	.9	.0	10.2	29.0
RPG 2.00: FOREST RESOURCES	.0	.0	47.5	47.5	20.4	.0	.0	20.4	67.9
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	97.5	.0	.0	97.5	79.2	3.3	.0	82.5	180.0
RPG 4.00: ANIMALS	25.1	.0	.0	25.1	37.9	1.7	.0	39.6	64.7
RPG 5.00: PEOPLE, COMMUNITIES, & INSTITUTIONS	18.9	1.0	.0	19.9	12.8	1.5	.0	14.3	34.2
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	7.4	2.3	.0	9.7	11.3	3.9	.0	15.2	24.9
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	14.0	.0	.0	14.0	8.3	.6	.0	8.8	22.9
RPG 9.00: UNCLASSIFIED	.0	.0	.0	.0	.5	.0	.0	.5	.5
GRAND TOTAL	180.6	4.5	47.5	232.6	179.6	11.8	.0	191.4	424.0

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978
RESEARCH PROGRAM GROUP SUMMARY

REGION 2
KENTUCKY

	AR	ESCS	FS	USDA TOTAL	SAES	OTH COOP INSTS	FORESTRY SCHOOLS	CR/SAES TOTAL	TOTAL
RPG 1.00: NATURAL RESOURCES	.0	.0	.0	.0	4.9	.0	.0	4.9	4.9
RPG 2.00: FOREST RESOURCES	.0	.0	13.6	13.6	8.5	.0	.0	8.5	22.1
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	11.8	.0	.0	11.8	42.3	.0	.0	42.3	54.2
RPG 4.00: ANIMALS	.0	.0	.0	.0	24.2	.0	.0	24.2	24.2
RPG 5.00: PEOPLE, COMMUNITIES, & INSTITUTIONS	.0	.1	.0	.1	15.8	13.4	.0	29.2	29.3
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	.0	.0	.0	.0	7.3	.0	.0	7.3	7.3
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	.2	.0	.0	.2	4.3	.0	.0	4.3	4.5
RPG 9.00: UNCLASSIFIED	.0	.0	.0	.0	2.1	.0	.0	2.1	2.1
GRAND TOTAL	12.0	.1	13.6	25.7	109.3	13.4	.0	122.7	148.4

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978
RESEARCH PROGRAM GROUP SUMMARY

REGION 2
LOUISIANA

	AR	ESCS	FS	USDA TOTAL	SAES	OTH COOP INSTS	FORESTRY SCHOOLS	CR/SAES TOTAL	TOTAL
RPG 1.00: NATURAL RESOURCES	7.2	.2	.0	7.4	12.6	.3	.0	12.9	20.3
RPG 2.00: FOREST RESOURCES	.0	.0	42.1	42.1	10.5	.0	2.8	13.3	55.4
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	153.8	.2	.0	154.0	97.9	2.5	.0	100.4	254.4
RPG 4.00: ANIMALS	1.8	.0	.0	1.8	46.4	1.8	.0	48.2	50.0
RPG 5.00: PEOPLE, COMMUNITIES, & INSTITUTIONS	8.1	.0	.0	8.1	15.5	1.2	.0	16.7	24.8
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	5.6	3.1	.0	8.7	10.1	2.1	.0	12.2	20.9
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	2.5	.0	.0	2.5	5.9	.1	.0	6.0	8.5
RPG 9.00: UNCLASSIFIED	.0	.0	.0	.0	5.7	.0	.0	5.7	5.7
GRAND TOTAL	179.0	3.5	42.1	224.6	204.5	8.0	2.8	215.3	439.9

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978
RESEARCH PROGRAM GROUP SUMMARY

REGION 2 MISSISSIPPI									
	AR	ESCS	FS	USDA TOTAL	SAES	OTH COOP INSTS	FORESTRY SCHOOLS	CR/SAES TOTAL	TOTAL
RPG 1.00: NATURAL RESOURCES	24.7	.6	.0	25.3	10.2	.1	.0	10.3	35.6
RPG 2.00: FOREST RESOURCES	.0	.0	38.3	38.3	23.7	.0	.0	23.7	62.0
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	73.1	1.2	.0	74.3	64.6	1.1	.0	65.6	139.9
RPG 4.00: ANIMALS	4.8	.0	.0	4.8	33.5	1.1	.0	34.6	39.4
RPG 5.00: PEOPLE, COMMUNITIES, & INSTITUTIONS	2.0	1.0	.0	3.0	7.7	2.6	.0	10.3	13.3
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	1.5	2.3	.0	3.8	5.4	.0	.0	5.4	9.2
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	7.3	.0	.0	7.3	1.8	.3	.0	2.1	9.4
RPG 9.00: UNCLASSIFIED	.0	.0	.0	.0	.0	.0	.0	.0	.0
GRAND TOTAL	113.4	5.1	38.3	156.8	146.8	5.2	.0	152.0	308.8

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978
RESEARCH PROGRAM GROUP SUMMARY

REGION 2 NORTH CAROLINA									
	AR	ESCS	FS	USDA TOTAL	SAES	OTH COOP INSTS	FORESTRY SCHOOLS	CR/SAES TOTAL	TOTAL
RPG 1.00: NATURAL RESOURCES	5.0	.0	.0	5.0	16.1	4.2	.0	20.3	25.3
RPG 2.00: FOREST RESOURCES	.0	.0	36.3	36.3	16.5	.0	.0	16.5	52.8
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	33.0	.0	.0	33.0	88.0	.2	.0	88.2	121.2
RPG 4.00: ANIMALS	.7	.0	.0	.7	39.7	2.9	.0	42.5	43.2
RPG 5.00: PEOPLE, COMMUNITIES, & INSTITUTIONS	1.8	1.0	.0	2.8	11.5	2.2	.0	13.7	16.5
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	1.0	1.3	.0	2.3	6.3	.7	.0	6.9	9.2
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	4.1	.0	.0	4.1	21.6	.1	.0	21.7	25.8
RPG 9.00: UNCLASSIFIED	.0	.0	.0	.0	.0	.0	.0	.0	.0
GRAND TOTAL	45.6	2.3	36.3	84.2	199.6	10.2	.0	209.8	294.0

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978
RESEARCH PROGRAM GROUP SUMMARY

REGION 2 OKLAHOMA									
	AR	ESCS	FS	USDA TOTAL	SAES	OTH COOP INSTS	FORESTRY SCHOOLS	CR/SAES TOTAL	TOTAL
RPG 1.00: NATURAL RESOURCES	13.5	1.0	.0	14.5	7.8	3.3	.0	11.1	25.6
RPG 2.00: FOREST RESOURCES	.0	.0	.0	.0	3.5	.0	.0	3.5	3.5
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	11.2	.0	.0	11.2	31.0	4.0	.0	35.0	46.2
RPG 4.00: ANIMALS	4.1	.0	.0	4.1	18.6	.0	.0	18.6	22.7
RPG 5.00: PEOPLE, COMMUNITIES, & INSTITUTIONS	.0	1.2	.0	1.2	3.1	3.0	.0	6.1	7.3
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	.0	4.0	.0	4.0	11.9	.0	.0	11.9	15.9
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	.0	.0	.0	.0	8.4	.0	.0	8.4	8.4
RPG 9.00: UNCLASSIFIED	.0	.0	.0	.0	.6	.0	.0	.6	.6
GRAND TOTAL	28.8	6.2	.0	35.0	85.0	10.3	.0	95.3	130.3

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978
RESEARCH PROGRAM GROUP SUMMARY

REGION 2 SOUTH CAROLINA									
	AR	ESCS	FS	USDA TOTAL	SAES	OTH COOP INSTS	FORESTRY SCHOOLS	CR/SAES TOTAL	TOTAL
RPG 1.00: NATURAL RESOURCES	2.8	.0	.0	2.8	6.8	.8	.0	7.5	10.4
RPG 2.00: FOREST RESOURCES	.0	.0	14.6	14.6	.6	.0	6.8	7.4	22.0
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	26.6	.0	.0	26.6	50.3	1.5	.0	51.8	78.5
RPG 4.00: ANIMALS	.0	.0	.0	.0	19.8	.0	.1	19.8	19.8
PPG 5.00: PEOPLE, COMMUNITIES, & INSTITUTIONS	3.5	.0	.0	3.5	6.4	5.0	.0	11.4	14.9
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	.3	1.5	.0	1.8	3.8	.0	.0	3.8	5.7
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	.0	.0	.0	.0	3.0	.4	.0	3.4	3.4
RPG 9.00: UNCLASSIFIED	.0	.0	.0	.0	1.2	.0	3.1	4.3	4.3
GRAND TOTAL	33.3	1.5	14.6	49.4	92.0	7.6	9.9	109.5	158.9

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978
RESEARCH PROGRAM GROUP SUMMARY

REGION 2 TENNESSEE									
	AR	ESCS	FS	USDA TOTAL	SAES	OTH COOP INSTS	FORESTRY SCHOOLS	CR/SAES TOTAL	TOTAL
RPG 1.00: NATURAL RESOURCES	.7	.0	.0	.7	5.6	.3	.0	5.9	6.6
RPG 2.00: FOREST RESOURCES	.0	.0	3.8	3.8	7.0	.0	.0	7.0	10.8
PPG 3.00: CROPS (FIELD & HORTICULTURAL)	11.1	.0	.0	11.1	43.0	.9	.0	43.9	55.0
RPG 4.00: ANIMALS	2.6	.0	.0	2.6	44.9	.0	.0	44.9	47.5
RPG 5.00: PEOPLE, COMMUNITIES, & INSTITUTIONS	3.3	.0	.0	3.3	11.2	.8	.0	12.1	15.4
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	.0	.0	.0	.0	6.1	.9	.0	7.0	7.0
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	.0	.0	.0	.0	2.5	.2	.0	2.7	2.7
PPG 9.00: UNCLASSIFIED	.0	.0	.0	.0	.0	.0	.0	.0	.0
GRAND TOTAL	17.7	.0	3.8	21.5	120.4	3.1	.0	123.5	145.0

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978
RESEARCH PROGRAM GROUP SUMMARY

REGION 2 TEXAS									
	AR	ESCS	FS	USDA TOTAL	SAES	OTH COOP INSTS	FORESTRY SCHOOLS	CR/SAES TOTAL	TOTAL
RPG 1.00: NATURAL RESOURCES	26.0	.0	.0	26.0	38.9	2.1	.0	41.0	67.0
RPG 2.00: FOREST RESOURCES	.0	.0	6.0	6.0	5.3	.0	6.1	11.4	17.4
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	74.0	.3	.0	74.3	112.3	1.7	.0	114.1	188.4
RPG 4.00: ANIMALS	36.6	.0	.0	36.6	39.7	1.1	.0	40.7	77.3
RPG 5.00: PEOPLE, COMMUNITIES, & INSTITUTIONS	5.9	.0	.0	5.9	11.0	2.1	.0	13.2	19.1
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	5.5	4.7	.0	10.2	12.6	.6	.0	13.3	23.4
PPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	19.7	.0	.0	19.7	8.9	.0	.0	8.9	28.6
RPG 9.00: UNCLASSIFIED	.9	.0	.0	.9	27.4	.0	.3	27.7	28.6
GRAND TOTAL	168.6	5.0	6.0	179.6	256.2	7.6	6.4	270.2	449.8

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978
RESEARCH PROGRAM GROUP SUMMARY

REGION 2									
VIRGINIA									
	AR	ESCS	FS	USDA TOTAL	SAES	OTH COOP INSTS	FORESTRY SCHOOLS	CR/SAES TOTAL	TOTAL
RPG 1.00: NATURAL RESOURCES	.6	.0	.0	.6	15.6	.3	.0	15.9	16.5
RPG 2.00: FOREST RESOURCES	.0	.0	.0	.0	17.8	.0	.0	17.8	17.8
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	7.6	.0	.0	7.6	42.8	6.3	.0	49.1	56.7
RPG 4.00: ANIMALS	.0	.0	.0	.0	39.0	1.3	.0	40.2	40.2
RPG 5.00: PEOPLE, COMMUNITIES, & INSTITUTIONS	.3	.0	.0	.3	17.0	3.8	.0	20.8	21.1
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	.0	.0	.0	.0	7.6	.3	.0	7.8	7.8
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	.0	.0	.0	.0	20.0	.0	.0	20.0	20.0
RPG 9.00: UNCLASSIFIED	.0	.0	.0	.0	1.0	.0	.0	1.0	1.0
GRAND TOTAL	8.5	.0	.0	8.5	160.8	11.8	.0	172.6	181.1

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978
RESEARCH PROGRAM GROUP SUMMARY

REGION 2									
PUERTO RICO									
	AR	ESCS	FS	USDA TOTAL	SAES	OTH COOP INSTS	FORESTRY SCHOOLS	CR/SAES TOTAL	TOTAL
RPG 1.00: NATURAL RESOURCES	4.3	.0	.0	4.3	7.6	.0	.0	7.6	11.9
RPG 2.00: FOREST RESOURCES	.0	.0	5.0	5.0	.0	.0	.0	.0	5.0
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	4.4	.0	.0	4.4	79.7	.0	.0	79.7	84.1
RPG 4.00: ANIMALS	.0	.0	.0	.0	5.0	.0	.0	5.0	5.0
RPG 5.00: PEOPLE, COMMUNITIES, & INSTITUTIONS	.0	.0	.0	.0	9.1	.0	.0	9.1	9.1
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	.3	.0	.0	.3	5.7	.0	.0	5.7	6.0
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	.0	.0	.0	.0	4.4	.0	.0	4.4	4.4
RPG 9.00: UNCLASSIFIED	.0	.0	.0	.0	.9	.0	.0	.9	.9
GRAND TOTAL	9.0	.0	5.0	14.0	112.4	.0	.0	112.4	126.4

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978
RESEARCH PROGRAM GROUP SUMMARY

REGION 2									
VIRGIN IS									
	AR	ESCS	FS	USDA TOTAL	SAES	OTH COOP INSTS	FORESTRY SCHOOLS	CR/SAES TOTAL	TOTAL
RPG 1.00: NATURAL RESOURCES	.0	.0	.0	.0	.0	.0	.0	.0	.0
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	.8	.0	.0	.8	2.0	.0	.0	2.0	2.8
RPG 4.00: ANIMALS	.0	.0	.0	.0	2.4	.0	.0	2.4	2.4
GRAND TOTAL	.8	.0	.0	.8	4.4	.0	.0	4.4	5.2

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978
RESEARCH PROGRAM GROUP SUMMARY

REGION 3 ALASKA									
	AR	ESCS	FS	USDA TOTAL	SAES	OTH COOP INSTS	FORESTRY SCHOOLS	CR/SAES TOTAL	TOTAL
RPG 1.00: NATURAL RESOURCES	.6	.0	2.4	3.0	1.0	.0	.0	1.0	4.0
RPG 2.00: FOREST RESOURCES	.0	.0	15.2	15.2	1.0	.0	.0	1.0	16.2
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	4.2	.0	.0	4.2	3.5	.0	.0	3.5	7.7
RPG 4.00: ANIMALS	.2	.0	.0	.2	2.0	.0	.0	2.0	2.2
RPG 5.00: PEOPLE, COMMUNITIES, & INSTITUTIONS	.0	.0	.0	.0	.6	.0	.0	.6	.6
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	.0	.0	.0	.0	1.3	.0	.0	1.3	1.3
GRAND TOTAL	5.0	.0	17.6	22.6	9.4	.0	.0	9.4	32.0

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978
RESEARCH PROGRAM GROUP SUMMARY

REGION 3 ILLINOIS									
	AR	ESCS	FS	USDA TOTAL	SAES	OTH COOP INSTS	FORESTRY SCHOOLS	CR/SAES TOTAL	TOTAL
RPG 1.00: NATURAL RESOURCES	18.7	.0	.0	18.7	17.5	.0	.2	17.7	36.4
RPG 2.00: FOREST RESOURCES	.0	.0	12.2	12.2	7.5	.0	3.6	11.1	23.3
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	105.4	.0	.0	105.4	50.0	.0	.0	50.0	155.4
RPG 4.00: ANIMALS	2.1	.0	.0	2.1	33.1	.0	.3	33.4	35.5
RPG 5.00: PEOPLE, COMMUNITIES, & INSTITUTIONS	33.2	.0	.0	33.2	19.1	.0	.0	19.2	52.4
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	1.6	3.5	.0	5.1	15.4	.0	.0	15.4	20.5
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	27.4	.0	.0	27.4	9.9	.0	.0	9.9	37.3
RPG 9.00: UNCLASSIFIED	.0	.0	.0	.0	.8	.0	.9	1.7	1.7
GRAND TOTAL	188.3	3.5	12.2	204.0	153.4	.0	5.0	158.4	362.4

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978
RESEARCH PROGRAM GROUP SUMMARY

REGION 3 INDIANA									
	AR	ESCS	FS	USDA TOTAL	SAES	OTH COOP INSTS	FORESTRY SCHOOLS	CR/SAES TOTAL	TOTAL
RPG 1.00: NATURAL RESOURCES	2.7	.0	.0	2.7	23.6	.0	.0	23.6	26.3
RPG 2.00: FOREST RESOURCES	.0	.0	.0	.0	11.3	.0	.0	11.3	11.3
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	11.7	.0	.0	11.7	47.8	.0	.0	47.8	59.5
RPG 4.00: ANIMALS	2.4	.0	.0	2.4	41.5	.0	.0	41.5	43.9
RPG 5.00: PEOPLE, COMMUNITIES, & INSTITUTIONS	.2	.0	.0	.2	15.7	.0	.0	15.7	15.9
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	.0	3.3	.0	3.3	14.8	.0	.0	14.8	18.1
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	2.6	.0	.0	2.6	33.3	.0	.0	33.3	35.9
RPG 9.00: UNCLASSIFIED	.0	.0	.0	.0	.0	.0	.0	.0	.0
GRAND TOTAL	19.6	3.3	.0	22.9	188.0	.0	.0	188.0	210.9

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978
RESEARCH PROGRAM GROUP SUMMARY

	REGION 3								
	IOWA								
	AR	ESCS	FS	USDA TOTAL	SAES	OTH COOP INSTS	FORESTRY SCHOOLS	CR/SAES TOTAL	TOTAL
RPG 1.00: NATURAL RESOURCES	1.3	2.0	.0	3.3	19.9	.0	.0	19.9	23.2
RPG 2.00: FOREST RESOURCES	.0	.0	.0	.0	3.1	.0	.0	3.1	3.1
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	16.0	.0	.0	16.0	38.4	.0	.0	38.4	54.4
RPG 4.00: ANIMALS	57.9	.0	.0	57.9	27.5	.0	.0	27.5	85.4
RPG 5.00: PEOPLE, COMMUNITIES, & INSTITUTIONS	.0	.5	.0	.5	14.4	.0	.0	14.4	14.9
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	.6	.0	.0	.6	8.8	.0	.0	8.8	9.4
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	3.5	.0	.0	3.5	6.4	.0	.0	6.4	10.0
RPG 9.00: UNCLASSIFIED	.0	.0	.0	.0	3.1	.0	.0	3.1	3.1
GRAND TOTAL	79.4	2.5	.0	81.9	121.7	.0	.0	121.7	203.6

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978
RESEARCH PROGRAM GROUP SUMMARY

	REGION 3								
	KANSAS								
	AR	ESCS	FS	USDA TOTAL	SAES	OTH COOP INSTS	FORESTRY SCHOOLS	CR/SAES TOTAL	TOTAL
RPG 1.00: NATURAL RESOURCES	5.0	.0	.0	5.0	18.9	.0	.0	18.9	23.9
RPG 2.00: FOREST RESOURCES	.0	.0	.0	.0	4.7	.0	.0	4.7	4.7
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	25.2	.9	.0	26.1	64.9	.0	.0	64.9	91.0
RPG 4.00: ANIMALS	.3	.0	.0	.3	36.2	.0	.0	36.2	36.5
RPG 5.00: PEOPLE, COMMUNITIES, & INSTITUTIONS	1.1	.0	.0	1.1	13.9	.0	.0	13.9	15.0
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	3.7	2.3	.0	6.0	11.7	.0	.0	11.7	17.7
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	.1	.0	.0	.1	17.8	.0	.0	17.8	17.9
RPG 9.00: UNCLASSIFIED	.0	.0	.0	.0	9.0	.0	.0	9.0	9.0
GRAND TOTAL	35.4	3.2	.0	38.6	177.0	.0	.0	177.0	215.6

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978
RESEARCH PROGRAM GROUP SUMMARY

TABLE	V-C	STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978					REGION 3			
		RESEARCH PROGRAM GROUP SUMMARY					MICHIGAN			
		AR	ESCS	FS	USDA TOTAL	SAES	MICHIGAN ANN ARBOR	MICHIGAN HOUGHTON	CR/SAES TOTAL	TOTAL
RPG 1.00:	NATURAL RESOURCES	.2	3.8	1.5	5.5	22.9	.0	.0	22.9	28.4
RPG 2.00:	FOREST RESOURCES	.0	.0	15.6	15.6	8.9	5.9	11.9	26.6	42.2
RPG 3.00:	CROPS (FIELD & HORTICULTURAL)	13.0	.0	.0	13.0	49.0	.2	.0	49.2	62.2
RPG 4.00:	ANIMALS	10.0	.0	.0	10.0	25.1	.0	.0	25.1	35.1
RPG 5.00:	PEOPLE, COMMUNITIES, & INSTITUTIONS	.0	.0	.0	.0	20.7	.0	.0	20.7	20.7
RPG 6.00:	COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	.0	.2	.0	.2	12.4	.0	.0	12.4	12.6
RPG 7.00:	GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	.0	.0	.0	.0	29.5	.0	.0	29.5	29.5
RPG 9.00:	UNCLASSIFIED	.0	.0	.0	.0	.9	.0	.3	1.2	1.2
GRAND TOTAL		23.2	4.0	17.1	44.3	169.4	6.1	12.2	187.7	232.0

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978

RESEARCH PROGRAM GROUP SUMMARY

REGION 3

MINNESOTA

	AR	ESCS	FS	USDA TOTAL	SAES	OTH COOP INSTS	FORESTRY SCHOOLS	CR/SAES TOTAL	TOTAL
RPG 1.00: NATURAL RESOURCES	17.8	.2	.0	18.0	17.2	.0	.0	17.2	35.2
RPG 2.00: FOREST RESOURCES	.0	.0	33.7	33.7	22.4	.0	.0	22.4	56.1
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	14.7	.0	.0	14.7	54.7	.0	.0	54.7	69.4
RPG 4.00: ANIMALS	.6	.0	.0	.6	32.5	.0	.0	32.5	33.1
RPG 5.00: PEOPLE, COMMUNITIES, & INSTITUTIONS	.0	.4	.0	.4	24.6	.0	.0	24.6	25.0
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	2.0	2.4	.0	4.4	6.2	.0	.0	6.2	10.6
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	.8	.0	.0	.8	11.8	.0	.0	11.8	12.7
RPG 9.00: UNCLASSIFIED	.0	.0	.0	.0	.2	.0	.0	.2	.2
GRAND TOTAL	36.0	3.0	33.7	72.7	169.7	.0	.0	169.7	242.4

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978

RESEARCH PROGRAM GROUP SUMMARY

REGION 3

MISSOURI

	AR	ESCS	FS	USDA TOTAL	SAES	OTH COOP INSTS	FORESTRY SCHOOLS	CR/SAES TOTAL	TOTAL
RPG 1.00: NATURAL RESOURCES	8.3	.0	.0	8.3	12.8	.0	.0	12.8	21.1
RPG 2.00: FOREST RESOURCES	.0	.0	6.0	6.0	11.1	.0	.0	11.1	17.1
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	14.2	.0	.0	14.2	45.0	1.0	.0	46.0	60.2
RPG 4.00: ANIMALS	2.4	.0	.0	2.4	29.6	2.0	.0	31.6	34.0
RPG 5.00: PEOPLE, COMMUNITIES, & INSTITUTIONS	.1	2.3	.0	2.4	12.4	5.0	.0	17.4	19.8
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	2.1	.9	.0	3.0	9.1	.0	.0	9.1	12.1
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	7.2	.0	.0	7.2	10.3	.5	.0	10.8	18.0
RPG 9.00: UNCLASSIFIED	.0	.0	.0	.0	.0	.0	.0	.0	.0
GRAND TOTAL	34.4	3.2	6.0	43.6	130.3	8.5	.0	138.8	182.4

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978

RESEARCH PROGRAM GROUP SUMMARY

REGION 3

NEBRASKA

	AR	ESCS	FS	USDA TOTAL	SAES	OTH COOP INSTS	FORESTRY SCHOOLS	CR/SAES TOTAL	TOTAL
RPG 1.00: NATURAL RESOURCES	8.0	2.0	.0	10.0	16.8	.0	.0	16.8	26.9
RPG 2.00: FOREST RESOURCES	.0	.0	4.0	4.0	1.9	.0	.0	1.9	5.9
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	13.7	.0	.0	13.7	49.6	.0	.0	49.6	63.3
RPG 4.00: ANIMALS	28.0	1.2	.0	29.2	34.4	.0	.0	34.4	63.6
RPG 5.00: PEOPLE, COMMUNITIES, & INSTITUTIONS	.4	.0	.0	.4	13.3	.0	.0	13.3	13.7
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	.2	2.3	.0	2.5	10.7	.0	.0	10.7	13.2
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	.2	.0	.0	.2	10.5	.0	.0	10.5	10.7
RPG 9.00: UNCLASSIFIED	.0	.0	.0	.0	5.0	.0	.0	5.0	5.0
GRAND TOTAL	50.5	5.5	4.0	60.0	142.4	.0	.0	142.4	202.4

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978
RESEARCH PROGRAM GROUP SUMMARY

REGION 3									
NORTH DAKOTA									
	AR	ESCS	FS	USDA TOTAL	SAES	OTH COOP INSTS	FORESTRY SCHOOLS	CR/SAES TOTAL	TOTAL
RPG 1.00: NATURAL RESOURCES	10.9	1.5	.0	12.4	24.4	.0	.0	24.4	36.8
RPG 2.00: FOREST RESOURCES	.0	.0	3.0	3.0	1.0	.0	.0	1.0	4.0
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	19.2	.0	.0	19.2	50.1	.0	.0	50.1	69.3
RPG 4.00: ANIMALS	1.0	.0	.0	1.0	13.7	.0	.0	13.7	14.7
RPG 5.00: PEOPLE, COMMUNITIES, & INSTITUTIONS	19.5	.1	.0	19.6	4.1	.0	.0	4.1	23.7
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	.0	.0	.0	.0	6.5	.0	.0	6.5	6.5
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	15.4	.0	.0	15.4	18.0	.0	.0	18.0	33.3
GRAND TOTAL	65.9	1.6	3.0	70.5	117.8	.0	.0	117.8	188.3

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978
RESEARCH PROGRAM GROUP SUMMARY

REGION 3									
OHIO									
	AR	ESCS	FS	USDA TOTAL	SAES	OHIO ALLIANCE	FORESTRY SCHOOLS	CR/SAES TOTAL	TOTAL
RPG 1.00: NATURAL RESOURCES	7.3	.0	.0	7.3	14.0	.0	.0	14.0	21.2
RPG 2.00: FOREST RESOURCES	.0	.0	26.0	26.0	8.0	.0	.0	8.0	34.0
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	19.1	.0	.0	19.1	47.4	.0	.0	47.4	66.4
RPG 4.00: ANIMALS	.0	.0	.0	.0	33.0	.0	.0	33.0	33.0
RPG 5.00: PEOPLE, COMMUNITIES, & INSTITUTIONS	1.0	.3	.0	1.3	12.6	.0	.0	12.6	13.9
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	.0	.0	.0	.0	4.5	.0	.0	4.5	4.5
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	2.0	.0	.0	2.0	3.1	.0	.0	3.1	5.1
RPG 9.00: UNCLASSIFIED	.0	.0	.0	.0	.0	.0	.0	.0	.0
GRAND TOTAL	29.3	.3	26.0	55.6	122.6	.0	.0	122.6	178.2

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978
RESEARCH PROGRAM GROUP SUMMARY

REGION 3									
SOUTH DAKOTA									
	AR	ESCS	FS	USDA TOTAL	SAES	OTH COOP INSTS	FORESTRY SCHOOLS	CR/SAES TOTAL	TOTAL
RPG 1.00: NATURAL RESOURCES	.0	.0	.0	.0	14.2	.0	.0	14.2	14.2
RPG 2.00: FOREST RESOURCES	.0	.0	7.0	7.0	2.5	.0	.0	2.5	9.5
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	10.7	.0	.0	10.7	26.8	.0	.0	26.8	37.5
RPG 4.00: ANIMALS	.0	.0	.0	.0	20.3	.0	.0	20.3	20.3
RPG 5.00: PEOPLE, COMMUNITIES, & INSTITUTIONS	.0	.0	.0	.0	8.4	.0	.0	8.4	8.4
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	.0	.0	.0	.0	3.7	.0	.0	3.7	3.7
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	.1	.0	.0	.1	8.3	.0	.0	8.3	8.4
RPG 9.00: UNCLASSIFIED	.0	.0	.0	.0	4.0	.0	.0	4.0	4.0
GRAND TOTAL	10.8	.0	7.0	17.8	88.3	.0	.0	88.3	106.1

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978
RESEARCH PROGRAM GROUP SUMMARY

REGION 3
WISCONSIN

	AR	ESCS	FS	USDA TOTAL	SAES	OTH COOP INSTS	FORESTRY SCHOOLS	CR/SAES TOTAL	TOTAL
RPG 1.00: NATURAL RESOURCES	.0	3.0	.0	3.0	21.9	.0	.0	21.9	24.9
RPG 2.00: FOREST RESOURCES	.0	.0	124.1	124.1	11.3	.0	.0	11.3	135.4
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	13.6	.0	.0	13.6	39.5	.0	.0	39.5	53.1
RPG 4.00: ANIMALS	1.0	.0	.0	1.0	28.2	.0	.0	28.2	29.2
RPG 5.00: PEOPLE, COMMUNITIES, & INSTITUTIONS	.0	.0	.0	.0	23.3	.0	.0	23.3	23.3
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	.0	.0	.0	.0	7.8	.0	.0	7.8	7.8
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	5.6	.0	.0	5.6	24.6	.0	.0	24.6	30.2
RPG 9.00: UNCLASSIFIED	.0	.0	.0	.0	.0	.0	.0	.0	.0
GRAND TOTAL	20.2	3.0	124.1	147.3	156.5	.0	.0	156.5	303.8

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978
RESEARCH PROGRAM GROUP SUMMARY

REGION 4									
ARIZONA									
	AR	ESCS	FS	USDA TOTAL	SAES	OTH COOP INSTS	FORESTRY SCHOOLS	CR/SAES TOTAL	TOTAL
RPG 1.00: NATURAL RESOURCES	25.6	2.0	3.6	31.2	21.9	.0	.0	21.9	53.1
RPG 2.00: FOREST RESOURCES	.0	.0	25.3	25.3	4.9	.0	4.0	8.9	34.2
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	37.5	.0	.0	37.5	45.8	.0	.0	45.8	83.3
RPG 4.00: ANIMALS	.0	.0	.0	.0	11.2	.0	.0	11.2	11.2
RPG 5.00: PEOPLE, COMMUNITIES, & INSTITUTIONS	.0	.0	.0	.0	10.7	.0	.0	10.7	10.7
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	.0	.0	.0	.0	7.2	.0	.0	7.2	7.2
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	.6	.0	.0	.6	11.8	.0	.0	11.8	12.4
RPG 9.00: UNCLASSIFIED	.0	.0	.0	.0	.3	.0	.7	1.0	1.0
GRAND TOTAL	63.7	2.0	28.9	94.6	113.8	.0	4.7	118.5	213.1

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978
RESEARCH PROGRAM GROUP SUMMARY

REGION 4									
CALIFORNIA									
	AR	ESCS	FS	USDA TOTAL	SAES	OTH COOP INSTS	FORESTRY SCHOOLS	CR/SAES TOTAL	TOTAL
RPG 1.00: NATURAL RESOURCES	33.2	2.0	.0	35.2	75.5	.0	.0	75.5	110.6
RPG 2.00: FOREST RESOURCES	.0	.0	73.8	73.8	42.3	.0	1.1	43.4	117.2
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	124.0	.0	.0	124.0	180.3	.0	.1	180.4	304.4
RPG 4.00: ANIMALS	36.3	.0	.0	36.3	40.2	.0	.0	40.2	76.5
RPG 5.00: PEOPLE, COMMUNITIES, & INSTITUTIONS	29.6	.2	.0	29.8	68.2	.0	.0	68.2	98.0
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	10.4	2.1	.0	12.5	11.5	.0	.0	11.5	23.9
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	23.2	.0	.0	23.2	116.6	.0	.0	116.6	139.8
RPG 9.00: UNCLASSIFIED	4.7	.0	.0	4.7	1.0	.0	.0	1.0	5.7
GRAND TOTAL	261.3	4.3	73.8	339.4	535.5	.0	1.2	536.7	876.1

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978
RESEARCH PROGRAM GROUP SUMMARY

REGION 4									
COLORADO									
	AR	ESCS	FS	USDA TOTAL	SAES	OTH COOP INSTS	FORESTRY SCHOOLS	CR/SAES TOTAL	TOTAL
RPG 1.00: NATURAL RESOURCES	24.4	3.2	.0	27.6	34.9	.0	.0	34.9	62.5
RPG 2.00: FOREST RESOURCES	.0	.0	54.1	54.1	2.2	.0	2.4	4.6	58.7
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	11.5	.0	.0	11.5	42.7	1.0	.0	43.7	55.2
RPG 4.00: ANIMALS	7.6	.0	.0	7.6	32.5	.0	.0	32.5	40.1
RPG 5.00: PEOPLE, COMMUNITIES, & INSTITUTIONS	.0	.0	.0	.0	18.8	.0	.0	18.8	18.9
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	.0	2.9	.0	2.9	8.8	.0	.0	8.8	11.7
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	4.8	.0	.0	4.8	15.4	.0	.0	15.4	20.2
GRAND TOTAL	48.4	6.1	54.1	108.6	155.3	1.0	2.4	158.7	267.3

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978
RESEARCH PROGRAM GROUP SUMMARY

REGION 4									
HAWAII									
	AR	ESCS	FS	USDA TOTAL	SAES	OTH COOP INSTS	FORESTRY SCHOOLS	CR/SAES TOTAL	TOTAL
RPG 1.00: NATURAL RESOURCES	.0	.0	.0	.0	7.9	.0	.0	7.9	7.9
RPG 2.00: FOREST RESOURCES	.0	.0	10.8	10.8	3.9	.0	.0	3.9	14.7
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	13.8	.0	.0	13.8	54.0	.0	.0	54.0	67.8
RPG 4.00: ANIMALS	.0	.0	.0	.0	8.2	.0	.0	8.2	8.2
RPG 5.00: PEOPLE, COMMUNITIES, & INSTITUTIONS	.0	.0	.0	.0	12.0	.0	.0	12.0	12.0
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	.3	.0	.0	.3	5.4	.0	.0	5.4	5.7
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	.0	.0	.0	.0	3.1	.0	.0	3.1	3.1
RPG 9.00: UNCLASSIFIED	.0	.0	.0	.0	.8	.0	.0	.8	.8
GRAND TOTAL	14.1	.0	10.8	24.9	95.3	.0	.0	95.3	120.2

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978
RESEARCH PROGRAM GROUP SUMMARY

REGION 4									
IDAHO									
	AR	ESCS	FS	USDA TOTAL	SAES	OTH COOP INSTS	FORESTRY SCHOOLS	CR/SAES TOTAL	TOTAL
RPG 1.00: NATURAL RESOURCES	21.8	.0	.0	21.8	11.8	.0	.0	11.8	33.6
RPG 2.00: FOREST RESOURCES	.0	.0	22.9	22.9	.9	.0	23.2	24.1	47.0
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	7.3	.0	.0	7.3	34.5	.0	.0	34.5	41.8
RPG 4.00: ANIMALS	5.3	.0	.0	5.3	15.4	.0	.0	15.4	20.6
RPG 5.00: PEOPLE, COMMUNITIES, & INSTITUTIONS	.0	.0	.0	.0	5.4	.0	.0	5.4	5.4
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	.0	.0	.0	.0	4.9	.0	.0	4.9	4.9
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	.0	.0	.0	.0	3.3	.0	.2	3.4	3.4
RPG 9.00: UNCLASSIFIED	.0	.0	.0	.0	.0	.0	6.2	6.2	6.2
GRAND TOTAL	34.4	.0	22.9	57.3	76.1	.0	29.6	105.7	163.0

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978
RESEARCH PROGRAM GROUP SUMMARY

REGION 4									
MONTANA									
	AR	ESCS	FS	USDA TOTAL	SAES	OTH COOP INSTS	FORESTRY SCHOOLS	CR/SAES TOTAL	TOTAL
RPG 1.00: NATURAL RESOURCES	6.9	.0	.0	6.9	17.1	.0	.1	17.3	24.2
RPG 2.00: FOREST RESOURCES	.0	.0	52.2	52.2	.0	.0	11.6	11.6	63.8
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	12.8	.0	.0	12.8	30.8	.0	.0	30.8	43.6
RPG 4.00: ANIMALS	6.2	.0	.0	6.2	20.0	.0	.0	20.0	26.2
RPG 5.00: PEOPLE, COMMUNITIES, & INSTITUTIONS	.1	.0	.0	.1	2.3	.0	.0	2.3	2.4
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	.0	.0	.0	.0	5.4	.0	.0	5.4	5.4
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	.0	.0	.0	.0	1.8	.0	.0	1.8	1.8
RPG 9.00: UNCLASSIFIED	.0	.0	.0	.0	2.5	.0	.0	2.5	2.5
GRAND TOTAL	26.0	.0	52.2	78.2	79.8	.0	11.8	91.6	169.8

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978
RESEARCH PROGRAM GROUP SUMMARY

REGION 4 NEVADA									
	AR	ESCS	PS	USDA TOTAL	SAES	OTH COOP INSTS	FORESTRY SCHOOLS	CR/SAES TOTAL	TOTAL
RPG 1.00: NATURAL RESOURCES	.1	.0	.0	.1	7.3	.0	.0	7.3	7.4
RPG 2.00: FOREST RESOURCES	.0	.0	1.0	1.0	2.7	.0	.0	2.7	3.7
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	4.9	.0	.0	4.9	11.6	.0	.0	11.6	16.5
RPG 4.00: ANIMALS	.0	.0	.0	.0	10.3	.0	.0	10.3	10.3
RPG 5.00: PEOPLE, COMMUNITIES, & INSTITUTIONS	.0	.0	.0	.0	3.1	.0	.0	3.1	3.1
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	.0	.0	.0	.0	2.4	.0	.0	2.4	2.4
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	.0	.0	.0	.0	1.2	.0	.0	1.2	1.2
RPG 9.00: UNCLASSIFIED	.0	.0	.0	.0	.0	.0	.0	.0	.0
GRAND TOTAL	5.0	.0	1.0	6.0	38.5	.0	.0	38.5	44.5

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978
RESEARCH PROGRAM GROUP SUMMARY

REGION 4 NEW MEXICO									
	AR	ESCS	PS	USDA TOTAL	SAES	OTH COOP INSTS	FORESTRY SCHOOLS	CR/SAES TOTAL	TOTAL
RPG 1.00: NATURAL RESOURCES	.6	.0	.0	.6	6.9	.0	.0	6.9	7.5
RPG 2.00: FOREST RESOURCES	.0	.0	3.0	3.0	3.0	.0	.0	3.0	6.0
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	8.6	.0	.0	8.6	24.7	.0	.0	24.7	33.3
RPG 4.00: ANIMALS	.9	.0	.0	.9	8.5	.0	.0	8.5	9.4
RPG 5.00: PEOPLE, COMMUNITIES, & INSTITUTIONS	.0	.0	.0	.0	3.7	.0	.0	3.7	3.7
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	.0	.1	.0	.1	2.8	.0	.0	2.8	2.9
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	.0	.0	.0	.0	3.5	.0	.0	3.5	3.5
RPG 9.00: UNCLASSIFIED	.0	.0	.0	.0	.2	.0	.0	.2	.2
GRAND TOTAL	10.1	.1	3.0	13.2	53.2	.0	.0	53.2	66.4

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978
RESEARCH PROGRAM GROUP SUMMARY

REGION 4 OREGON									
	AR	ESCS	PS	USDA TOTAL	SAES	OTH COOP INSTS	FORESTRY SCHOOLS	CR/SAES TOTAL	TOTAL
RPG 1.00: NATURAL RESOURCES	5.5	2.0	.0	7.5	19.4	.0	.2	19.6	27.2
RPG 2.00: FOREST RESOURCES	.0	.0	76.4	76.4	4.1	.0	46.1	50.2	126.6
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	22.0	.0	.0	22.0	49.6	.0	.0	49.6	71.6
RPG 4.00: ANIMALS	.3	.6	.0	.9	23.9	.0	.0	23.9	24.8
RPG 5.00: PEOPLE, COMMUNITIES, & INSTITUTIONS	.0	.0	.0	.0	13.5	.0	.0	13.5	13.5
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	.0	.0	.0	.0	4.5	.0	.0	4.5	4.5
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	.9	.0	.0	.9	19.0	.0	.0	19.0	19.9
RPG 9.00: UNCLASSIFIED	.0	.0	.0	.0	9.4	.0	.0	9.4	9.4
GRAND TOTAL	28.8	2.6	76.4	107.8	143.3	.0	46.3	189.6	297.4

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978
RESEARCH PROGRAM GROUP SUMMARY

REGION 4									
UTAH									
	AR	ESCS	FS	USDA TOTAL	SAES	OTH COOP INSTS	FORESTRY SCHOOLS	CR/SAES TOTAL	TOTAL
RPG 1.00: NATURAL RESOURCES	.1	.0	.0	.1	9.6	.0	.0	9.6	9.7
RPG 2.00: FOREST RESOURCES	.0	.0	29.5	29.5	4.8	.2	.0	5.0	34.5
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	11.2	.0	.0	11.2	14.4	.0	.0	14.4	25.6
RPG 4.00: ANIMALS	8.5	.0	.0	8.5	17.2	.0	.0	17.2	25.7
RPG 5.00: PEOPLE, COMMUNITIES, & INSTITUTIONS	.3	.0	.0	.3	7.7	.0	.0	7.7	8.0
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	.0	.0	.0	.0	3.8	.0	.0	3.8	3.8
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	1.5	.0	.0	1.5	6.1	.0	.0	6.1	7.6
RPG 9.00: UNCLASSIFIED	2.3	.0	.0	2.3	2.8	.0	.0	2.8	5.1
GRAND TOTAL	23.8	.0	29.5	53.3	66.4	.2	.0	66.6	119.9

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978
RESEARCH PROGRAM GROUP SUMMARY

REGION 4									
WASHINGTON									
	AR	ESCS	FS	USDA TOTAL	SAES	OTH COOP INSTS	FORESTRY SCHOOLS	CR/SAES TOTAL	TOTAL
RPG 1.00: NATURAL RESOURCES	9.3	.0	.0	9.3	14.4	.0	.0	14.4	23.7
RPG 2.00: FOREST RESOURCES	.0	.0	16.7	16.7	9.7	.0	32.5	42.2	58.9
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	52.4	.0	.0	52.4	61.6	.0	.0	61.6	114.0
RPG 4.00: ANIMALS	2.5	.0	.0	2.5	16.0	.0	.0	16.0	18.5
RPG 5.00: PEOPLE, COMMUNITIES, & INSTITUTIONS	3.6	.0	.0	3.6	10.6	.0	.0	10.6	14.2
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	4.1	.0	.0	4.1	7.6	.0	.0	7.6	11.7
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	3.3	.0	.0	3.3	8.1	.0	.0	8.1	11.4
RPG 9.00: UNCLASSIFIED	.0	.0	.0	.0	.0	.0	.0	.0	.0
GRAND TOTAL	75.1	.0	16.7	91.8	128.1	.0	32.5	160.6	252.4

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978
RESEARCH PROGRAM GROUP SUMMARY

REGION 4									
WYOMING									
	AR	ESCS	FS	USDA TOTAL	SAES	OTH COOP INSTS	FORESTRY SCHOOLS	CR/SAES TOTAL	TOTAL
RPG 1.00: NATURAL RESOURCES	2.6	.0	.0	2.6	7.6	.0	.0	7.6	10.1
RPG 2.00: FOREST RESOURCES	.0	.0	5.5	5.5	3.9	.0	.0	3.9	9.4
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	5.9	.0	.0	5.9	10.2	.0	.0	10.2	16.2
RPG 4.00: ANIMALS	.2	.0	.0	.2	15.1	.0	.0	15.1	15.3
RPG 5.00: PEOPLE, COMMUNITIES, & INSTITUTIONS	.0	.0	.0	.0	.9	.0	.0	.9	.9
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	.0	.0	.0	.0	2.7	.0	.0	2.7	2.7
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	.0	.0	.0	.0	2.9	.0	.0	2.9	2.9
GRAND TOTAL	8.7	.0	5.5	14.2	43.2	.0	.0	43.2	57.4

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978

REGION 4

RESEARCH PROGRAM GROUP SUMMARY

GUAM

	AR	ESCS	FS	USDA TOTAL	SAES	OTH COOP INSTS	FORESTRY SCHOOLS	CR/SAES TOTAL	TOTAL
RPG 1.00: NATURAL RESOURCES	.0	.0	.0	.0	1.0	.0	.0	1.0	1.0
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	.0	.0	.0	.0	4.9	.0	.0	4.9	4.9
RPG 4.00: ANIMALS	.0	.0	.0	.0	1.0	.0	.0	1.0	1.0
RPG 5.00: PEOPLE, COMMUNITIES, & INSTITUTIONS	.0	.0	.0	.0	1.1	.0	.0	1.1	1.1
GRAND TOTAL	.0	.0	.0	.0	8.0	.0	.0	8.0	8.0

TABLE V-B NATIONAL SUMMARY OF SCIENTIST-YEARS FOR FY 1978
RESEARCH PROGRAM SUMMARY

	AR	ESCS	FS	USDA TOTAL	SAES	OTH COOP INSTS	FORESTRY SCHOOLS	CR/SAES TOTAL	TOTAL
RP 1.01: SOIL & LAND USE	101.0	22.5	.0	123.4	280.1	2.1	.0	282.2	405.6
RP 1.02: WATER & WATERSHEDS	165.4	13.7	5.1	184.1	122.7	.5	.0	123.3	307.4
RP 1.03: RECREATION	.0	.0	.0	.0	26.4	.5	.0	26.9	26.9
RP 1.04: ENVIRONMENTAL QUALITY	128.6	27.5	2.4	158.5	267.9	16.0	.2	284.0	442.4
RP 1.05: WEATHER MODIFICATION FOR AGRICULTURE & FORESTRY	3.8	.2	.0	4.0	35.5	.6	.2	36.3	40.3
RP 1.06: FISH & WILDLIFE	2.2	.0	.0	2.2	65.2	2.8	.1	68.1	70.3
RP 1.07: REMOTE SENSING	5.8	.0	.0	5.8	6.2	.0	.0	6.2	11.9
RP 2.01: INVENTORY & APPRAISAL OF FOREST RESOURCES	.0	.0	64.3	64.3	21.6	.0	5.7	27.3	91.6
RP 2.02: TIMBER MANAGEMENT	.0	.0	218.3	218.3	111.1	.9	41.7	153.6	371.9
RP 2.03: FOREST PROTECTION	7.9	.0	236.1	244.0	81.2	.2	17.5	98.9	342.9
RP 2.04: HARVESTING PROCESSING & MARKETING OF FOREST PRODUCTS	.0	.0	211.2	211.2	98.1	.0	46.0	144.1	355.3
RP 2.05: FOREST WATERSHEDS, SOILS, POLLUTION	.0	.0	118.7	118.7	33.5	.0	27.0	60.5	179.2
RP 2.06: FOREST RANGE WILDLIFE & FISHERIES HABITAT DEVELOPMENT	.0	.0	70.5	70.5	22.8	.0	24.4	47.2	117.8
RP 2.07: FOREST RECREATION & AESTHETICS & OTH LANDSCAPE VALUES	.0	.0	25.4	25.4	22.3	.0	11.1	33.4	58.7
RP 2.08: ALTERNATE USES OF LAND	.0	.0	18.0	18.0	17.1	.0	6.2	23.3	41.3
RP 2.09: TECHNICAL ASSISTANCE	.0	.0	.0	.0	.5	.0	.5	1.0	1.0
RP 3.01: CORN	88.0	.3	.0	88.4	171.4	.4	.0	171.8	260.2
RP 3.02: GRAIN SORGHUM	17.3	.2	.0	17.5	51.9	.0	.0	51.9	69.3
RP 3.03: WHEAT	88.8	.3	.0	89.2	128.4	.5	.0	128.9	218.1
RP 3.04: SMALL GRAINS OTHER THAN WHEAT	29.1	.2	.0	29.3	72.8	6.1	.0	78.9	108.2
RP 3.05: RICE	17.8	.2	.0	18.0	34.3	.0	.0	34.3	52.3
RP 3.06: SOYBEANS	100.5	.8	.0	101.3	191.4	9.0	.0	200.4	301.7
RP 3.07: PEANUTS	27.0	.0	.0	27.0	37.5	3.5	.0	41.0	68.0
RP 3.08: SUGAR	56.0	.0	.0	56.0	56.0	.0	.0	56.0	112.0
RP 3.09: FORAGE, RANGE, & PASTURE	148.5	.1	.0	148.6	337.1	.7	.0	337.8	486.4
RP 3.10: COTTON	261.3	2.3	.0	263.5	113.0	4.9	.0	117.9	381.4
RP 3.11: TOBACCO	45.6	.0	.0	45.6	56.4	.2	.0	56.6	102.2
RP 3.12: NEW CROPS & MINOR OILSEEDS	52.0	.0	.0	52.0	44.3	.0	.0	44.3	96.3
RP 3.13: FRUIT	194.2	.0	.0	194.2	449.3	1.8	.0	451.1	645.3
RP 3.14: VEGETABLE CROPS	145.7	.0	.0	145.7	474.4	9.1	.0	483.5	629.2
RP 3.15: PLANTS TO ENHANCE THE ENVIRONMENT	50.4	.0	.0	50.4	219.5	.5	.3	220.3	270.7
RP 3.16: BEES & OTHER POLLINATING INSECTS	33.9	.0	.0	33.9	17.9	.0	.0	17.9	51.8
RP 4.01: BEEF	186.6	1.8	.0	188.4	359.9	7.2	.0	367.1	555.5
RP 4.02: DAIRY	82.0	.0	.0	82.0	273.8	1.5	.0	275.3	357.3
RP 4.03: POULTRY	73.9	.0	.0	73.9	229.3	4.3	.1	233.7	307.6
RP 4.04: SHEEP	61.6	.0	.0	61.6	73.4	.8	.0	74.1	135.7

TABLE V-B NATIONAL SUMMARY OF SCIENTIST-YEARS FOR FY 1978

RESEARCH PROGRAM SUMMARY

	AR	ESCS	FS	USDA TOTAL	SAES	OTH COOP INSTS	FORESTRY SCHOOLS	CR/SAES TOTAL	TOTAL
RP 4.05: SWINE	53.0	.0	.0	53.0	144.8	3.8	.3	148.9	201.9
RP 4.06: OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	12.6	.0	.0	12.6	67.6	2.0	.0	69.6	82.2
RP 4.07: AQUATIC FOOD & FEEDSTUFFS	.2	.0	.0	.2	63.1	2.8	.0	65.9	66.1
RP 5.01: FOOD & NUTRITION	172.5	8.4	.0	180.9	170.3	34.7	.0	205.0	385.9
RP 5.02: FOOD SAFETY	121.2	.0	.0	121.2	118.4	1.5	.0	119.8	241.0
RP 5.03: RURAL DEVELOPMENT & QUALITY OF FAMILY LIVING	17.8	56.5	.0	74.3	309.2	23.5	.4	333.2	407.5
RP 5.04: INSECTS AFFECTING MAN & HIS BELONGINGS	33.8	.0	.0	33.8	42.1	.0	.0	42.1	75.8
RP 5.05: RESEARCH ON ADMINISTRATION OF RESEARCH	.0	.0	.0	.0	8.9	.0	.0	8.9	8.9
RP 6.01: FARM ADJUSTMENT, PRICES & INCOME	6.3	75.5	.0	81.8	139.7	6.2	.0	145.9	227.6
RP 6.02: FOREIGN AGRICULTURAL TRADE & ECONOMIC DEVELOPMENT	38.3	67.5	.0	105.8	33.3	.0	.0	33.3	139.2
RP 6.03: MARKETING & COMPETITION	58.2	196.6	.0	254.8	175.0	2.2	.0	177.2	432.0
RP 7.01: GENERAL RESOURCE OR TECHNOLOGY	313.3	.0	.0	313.3	584.0	2.5	3.4	589.9	903.2
RP 9.01: UNCLASSIFIED	7.9	.0	.0	7.9	112.4	.0	23.7	136.1	144.0
GRAND TOTAL	3009.8	474.5	970.0	4454.3	6572.8	153.3	208.8	6934.8	11389.1

TABLE V-B REGIONAL SUMMARY OF SCIENTIST-YEARS FOR FY 1978

FOREIGN

RESEARCH PROGRAM SUMMARY

	AR	ESCS	FS	USDA TOTAL	SAES	OTH COOP INSTS	FORESTRY SCHOOLS	CR/SAES TOTAL	TOTAL
RP 1.02: WATER & WATERSHEDS	.0	.0	.0	.0	.0	.0	.0	.0	.0
RP 2.03: FOREST PROTECTION	1.2	.0	.0	1.2	.0	.0	.0	.0	1.2
RP 3.03: WHEAT	.3	.0	.0	.3	.0	.0	.0	.0	.3
RP 3.04: SMALL GRAINS OTHER THAN WHEAT	.3	.0	.0	.3	.0	.0	.0	.0	.3
RP 3.06: SOYBEANS	.0	.0	.0	.0	.0	.0	.0	.0	.0
RP 3.09: FORAGE, RANGE, & PASTURE	1.8	.0	.0	1.8	.0	.0	.0	.0	1.8
RP 3.10: COTTON	.0	.0	.0	.0	.0	.0	.0	.0	.0
RP 3.12: NEW CROPS & MINOR OILSEEDS	3.6	.0	.0	3.6	.0	.0	.0	.0	3.6
RP 3.13: FRUIT	.3	.0	.0	.3	.0	.0	.0	.0	.3
RP 3.15: PLANTS TO ENHANCE THE ENVIRONMENT	3.0	.0	.0	3.0	.0	.0	.0	.0	3.0
RP 3.16: BEES & OTHER POLLINATING INSECTS	2.4	.0	.0	2.4	.0	.0	.0	.0	2.4
RP 4.01: BEEF	2.3	.0	.0	2.3	.0	.0	.0	.0	2.3
RP 4.02: DAIRY	2.1	.0	.0	2.1	.0	.0	.0	.0	2.1
RP 4.05: SWINE	.0	.0	.0	.0	.0	.0	.0	.0	.0
RP 5.03: RURAL DEVELOPMENT & QUALITY OF FAMILY LIVING	.9	.0	.0	.9	.0	.0	.0	.0	.9
RP 5.04: INSECTS AFFECTING MAN & HIS BELONGINGS	2.2	.0	.0	2.2	.0	.0	.0	.0	2.2
RP 6.02: FOREIGN AGRICULTURAL TRADE & ECONOMIC DEVELOPMENT	11.8	.0	.0	11.8	.0	.0	.0	.0	11.8
RP 7.01: GENERAL RESOURCE OR TECHNOLOGY	3.2	.0	.0	3.2	.0	.0	.0	.0	3.2
GRAND TOTAL	35.5	.0	.0	35.5	.0	.0	.0	.0	35.5

TABLE V-B REGIONAL SUMMARY OF SCIENTIST-YEARS FOR FY 1978

REGION 1

RESEARCH PROGRAM SUMMARY

NORTHEAST REGION

	AR	ESCS	FS	USDA TOTAL	SAES	OTH COOP INSTS	FORESTRY SCHOOLS	CR/SAES TOTAL	TOTAL
RP 1.01: SOIL & LAND USE	10.9	15.5	.0	26.4	34.5	.2	.0	34.7	61.0
RP 1.02: WATER & WATERSHEDS	19.5	9.1	.0	28.6	5.6	.0	.0	5.6	34.2
RP 1.03: RECREATION	.0	.0	.0	.0	8.1	.0	.0	8.1	8.1
RP 1.04: ENVIRONMENTAL QUALITY	47.0	13.6	.0	60.6	62.7	.4	.0	63.1	123.6
RP 1.05: WEATHER MODIFICATION FOR AGRICULTURE & FORESTRY	.0	.0	.0	.0	4.6	.0	.0	4.6	4.6
RP 1.06: FISH & WILDLIFE	1.1	.0	.0	1.1	12.4	1.5	.0	13.9	15.0
RP 1.07: REMOTE SENSING	1.0	.0	.0	1.0	.6	.0	.0	.6	1.6
RP 2.01: INVENTORY & APPRAISAL OF FOREST RESOURCES	.0	.0	9.1	9.1	4.3	.0	.4	4.7	13.8
RP 2.02: TIMBER MANAGEMENT	.0	.0	32.7	32.7	18.0	.0	2.8	20.7	53.4
RP 2.03: FOREST PROTECTION	6.7	.0	21.3	27.9	18.4	.0	3.1	21.5	49.4
RP 2.04: HARVESTING PROCESSING & MARKETING OF FOREST PRODUCTS	.0	.0	29.9	29.9	14.8	.0	9.3	24.1	54.0
RP 2.05: FOREST WATERSHEDS, SOILS, POLLUTION	.0	.0	8.9	8.9	8.0	.0	1.2	9.3	18.1
RP 2.06: FOREST RANGE WILDLIFE & FISHERIES HABITAT DEVELOPMENT	.0	.0	5.4	5.4	4.2	.0	2.7	6.9	12.3
RP 2.07: FOREST RECREATION & AESTHETICS & OTH LANDSCAPE VALUES	.0	.0	6.8	6.8	5.4	.0	2.1	7.5	14.4
RP 2.08: ALTERNATE USES OF LAND	.0	.0	1.0	1.0	6.3	.0	.5	6.8	7.8
RP 2.09: TECHNICAL ASSISTANCE	.0	.0	.0	.0	.0	.0	.1	.1	.1
RP 3.01: CORN	4.9	.1	.0	5.0	20.2	.0	.0	20.2	25.2
RP 3.02: GRAIN SORGHUM	.2	.1	.0	.3	.1	.0	.0	.1	.4
RP 3.03: WHEAT	4.8	.1	.0	4.9	3.5	.0	.0	3.5	8.4
RP 3.04: SMALL GRAINS OTHER THAN WHEAT	2.3	.1	.0	2.4	2.3	.0	.0	2.3	4.7
RP 3.05: RICE	.7	.1	.0	.8	.7	.0	.0	.7	1.5
RP 3.06: SOYBEANS	14.1	.3	.0	14.5	9.2	.3	.0	9.5	23.9
RP 3.07: PEANUTS	.2	.0	.0	.2	.2	.0	.0	.2	.4
RP 3.08: SUGAR	3.5	.0	.0	3.5	.0	.0	.0	.0	3.5
RP 3.09: FORAGE, RANGE, & PASTURE	20.4	.0	.0	20.4	29.9	.1	.0	30.0	50.4
RP 3.10: COTTON	1.0	1.0	.0	1.9	.2	.0	.0	.2	2.2
RP 3.11: TOBACCO	10.6	.0	.0	10.6	7.8	.0	.0	7.8	18.4
RP 3.12: NEW CROPS & MINOR OILSEEDS	10.3	.0	.0	10.3	1.6	.0	.0	1.6	11.8
RP 3.13: FRUIT	29.9	.0	.0	29.9	90.5	.0	.0	90.5	120.4
RP 3.14: VEGETABLE CROPS	43.2	.0	.0	43.2	87.7	.0	.0	87.7	130.9
RP 3.15: PLANTS TO ENHANCE THE ENVIRONMENT	25.6	.0	.0	25.7	41.3	.0	.0	41.3	67.0
RP 3.16: BEES & OTHER POLLINATING INSECTS	7.7	.0	.0	7.7	2.7	.0	.0	2.7	10.4
RP 4.01: BEEF	99.7	.0	.0	99.7	13.8	.0	.0	13.8	113.5
RP 4.02: DAIRY	49.1	.0	.0	49.1	56.3	.1	.0	56.3	105.4
RP 4.03: POULTRY	22.0	.0	.0	22.0	57.2	.3	.0	57.5	79.5
RP 4.04: SHEEP	11.9	.0	.0	11.9	5.1	.0	.0	5.1	17.0

TABLE V-B REGIONAL SUMMARY OF SCIENTIST-YEARS FOR FY 1978
RESEARCH PROGRAM SUMMARY

REGION 1									
NORTHEAST REGION									
	AR	ESCS	FS	USDA TOTAL	SAES	OTH COOP INSTS	FORESTRY SCHOOLS	CR/SAES TOTAL	TOTAL
RP 4.05: SWINE	23.3	.0	.0	23.3	6.5	.0	.0	6.5	29.8
RP 4.06: OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	3.6	.0	.0	3.6	14.7	.0	.0	14.7	18.2
RP 4.07: AQUATIC FOOD & FEEDSTUFFS	.2	.0	.0	.2	13.3	.8	.0	14.1	14.3
RP 5.01: FOOD & NUTRITION	137.7	8.4	.0	146.1	35.4	1.6	.0	37.0	183.1
RP 5.02: FOOD SAFETY	37.3	.0	.0	37.3	27.1	.1	.0	27.1	64.4
RP 5.03: RURAL DEVELOPMENT & QUALITY OF FAMILY LIVING	6.9	48.4	.0	55.3	78.0	2.4	.4	80.8	136.2
RP 5.04: INSECTS AFFECTING MAN & HIS BELONGINGS	7.0	.0	.0	7.0	14.4	.0	.0	14.4	21.4
RP 6.01: FARM ADJUSTMENT, PRICES & INCOME	3.3	61.3	.0	64.6	17.7	.0	.0	17.7	82.2
RP 6.02: FOREIGN AGRICULTURAL TRADE & ECONOMIC DEVELOPMENT	5.0	67.5	.0	72.5	8.0	.0	.0	8.0	80.5
RP 6.03: MARKETING & COMPETITION	27.9	169.2	.0	197.1	30.9	.0	.0	30.9	228.0
RP 7.01: GENERAL RESOURCE OR TECHNOLOGY	142.4	.0	.0	142.4	87.2	.1	3.2	90.5	233.0
RP 9.01: UNCLASSIFIED	.0	.0	.0	.0	27.7	.0	12.2	39.9	39.9
GRAND TOTAL	842.8	394.7	115.0	1352.5	999.2	7.7	37.9	1044.8	2397.3

TABLE V-B REGIONAL SUMMARY OF SCIENTIST-YEARS FOR FY 1978

REGION 2

RESEARCH PROGRAM SUMMARY

SOUTHERN REGION

	AR	ESCS	FS	USDA TOTAL	SAES	OTH COOP INSTS	FORESTRY SCHOOLS	CR/SAES TOTAL	TOTAL
RP 1.01: SOIL & LAND USE	24.0	1.0	.0	25.0	75.0	1.9	.0	76.9	101.9
RP 1.02: WATER & WATERSHEDS	58.2	1.0	.0	59.2	34.6	.5	.0	35.1	94.3
RP 1.03: RECREATION	.0	.0	.0	.0	4.6	.5	.0	5.1	5.1
RP 1.04: ENVIRONMENTAL QUALITY	29.8	2.0	.0	31.8	73.9	15.6	.0	89.5	121.3
RP 1.05: WEATHER MODIFICATION FOR AGRICULTURE & FORESTRY	.3	.0	.0	.3	2.3	.6	.0	2.9	3.3
RP 1.06: FISH & WILDLIFE	.0	.0	.0	.0	22.6	1.3	.0	23.9	23.9
RP 1.07: REMOTE SENSING	4.1	.0	.0	4.1	2.1	.0	.0	2.1	6.2
RP 2.01: INVENTORY & APPRAISAL OF FOREST RESOURCES	.0	.0	14.2	14.2	4.7	.0	.4	5.0	19.2
RP 2.02: TIMBER MANAGEMENT	.0	.0	76.7	76.7	45.2	.9	5.8	51.9	128.6
RP 2.03: FOREST PROTECTION	.0	.0	61.2	61.2	31.3	.0	2.9	34.1	95.3
RP 2.04: HARVESTING PROCESSING & MARKETING OF FOREST PRODUCTS	.0	.0	34.4	34.4	41.4	.0	1.0	42.4	76.8
RP 2.05: FOREST WATERSHEDS, SOILS, POLLUTION	.0	.0	26.8	26.8	8.5	.0	2.3	10.9	37.6
RP 2.06: FOREST RANGE WILDLIFE & FISHERIES HABITAT DEVELOPMENT	.0	.0	14.0	14.0	10.7	.0	1.8	12.5	26.4
RP 2.07: FOREST RECREATION & AESTHETICS & OTH LANDSCAPE VALUES	.0	.0	2.3	2.3	3.5	.0	.4	3.9	6.2
RP 2.08: ALTERNATE USES OF LAND	.0	.0	.0	.0	5.5	.0	1.2	6.7	6.7
RP 2.09: TECHNICAL ASSISTANCE	.0	.0	.0	.0	.4	.0	.0	.4	.4
RP 3.01: CORN	20.0	.0	.0	20.0	42.5	.4	.0	42.9	62.9
RP 3.02: GRAIN SORGHUM	7.1	.0	.0	7.1	24.9	.0	.0	24.9	32.0
RP 3.03: WHEAT	8.3	.0	.0	8.3	20.3	.5	.0	20.8	29.1
RP 3.04: SMALL GRAINS OTHER THAN WHEAT	3.3	.0	.0	3.3	16.2	6.1	.0	22.4	25.6
RP 3.05: RICE	14.4	.0	.0	14.4	26.9	.0	.0	26.9	41.3
RP 3.06: SOYBEANS	26.2	.4	.0	26.6	104.5	6.7	.0	111.2	137.8
RP 3.07: PEANUTS	26.6	.0	.0	26.6	35.3	3.5	.0	38.8	65.4
RP 3.08: SUGAR	26.6	.0	.0	26.6	38.3	.0	.0	38.3	64.9
RP 3.09: FORAGE, RANGE, & PASTURE	39.2	.0	.0	39.2	137.7	.7	.0	138.4	177.6
RP 3.10: COTTON	224.5	1.3	.0	225.7	80.6	4.9	.0	85.5	311.2
RP 3.11: TOBACCO	35.0	.0	.0	35.0	46.9	.2	.0	47.1	82.1
RP 3.12: NEW CROPS & MINOR OILSEEDS	9.3	.0	.0	9.3	9.3	.0	.0	9.3	18.5
RP 3.13: FRUIT	81.9	.0	.0	81.9	164.2	1.8	.0	166.0	247.9
RP 3.14: VEGETABLE CROPS	36.9	.0	.0	36.9	187.6	9.1	.0	196.7	233.6
RP 3.15: PLANTS TO ENHANCE THE ENVIRONMENT	4.7	.0	.0	4.7	89.6	.5	.0	90.1	94.8
RP 3.16: BEES & OTHER POLLINATING INSECTS	8.3	.0	.0	8.3	1.3	.0	.0	1.3	9.6
RP 4.01: BEEF	37.3	.0	.0	37.3	153.9	6.8	.0	160.7	198.0
RP 4.02: DAIRY	9.1	.0	.0	9.1	95.3	1.1	.0	96.4	105.5
RP 4.03: POULTRY	22.5	.0	.0	22.5	84.6	4.0	.1	88.7	111.2
RP 4.04: SHEEP	4.1	.0	.0	4.1	14.3	.4	.0	14.7	18.7

TABLE V-F REGIONAL SUMMARY OF SCIENTIST-YEARS FOR FY 1978
RESEARCH PROGRAM SUMMARY

REGION 2
SOUTHERN REGION

	AR	ESCS	FS	USDA TOTAL	SAES	OTH COOP INSTS	FORESTRY SCHOOLS	CR/SAES TOTAL	TOTAL
RP 4.05: SWINE	6.9	.0	.0	6.9	55.9	2.9	.0	58.8	65.7
RP 4.06: OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	2.2	.0	.0	2.2	28.5	2.0	.0	30.5	32.7
RP 4.07: AQUATIC FOOD & FEEDSTUFFS	.0	.0	.0	.0	35.8	2.0	.0	37.8	37.8
RP 5.01: FOOD & NUTRITION	3.6	.0	.0	3.6	36.7	28.4	.0	65.1	68.7
RP 5.02: FOOD SAFETY	28.6	.0	.0	28.6	27.3	1.4	.0	28.7	57.3
RP 5.03: RURAL DEVELOPMENT & QUALITY OF FAMILY LIVING	9.2	4.3	.0	13.5	77.3	20.9	.0	98.2	111.7
RP 5.04: INSECTS AFFECTING MAN & HIS BELONGINGS	22.8	.0	.0	22.8	7.9	.0	.0	7.9	30.6
RP 5.05: RESEARCH ON ADMINISTRATION OF RESEARCH	.0	.0	.0	.0	3.9	.0	.0	3.9	3.9
RP 6.01: FARM ADJUSTMENT, PRICES & INCOME	1.2	6.6	.0	7.8	40.0	6.2	.0	46.2	54.0
RP 6.02: FOREIGN AGRICULTURAL TRADE & ECONOMIC DEVELOPMENT	9.6	.0	.0	9.6	3.5	.0	.0	3.5	13.0
RP 6.03: MARKETING & COMPETITION	19.1	15.0	.0	34.1	68.3	2.2	.0	70.5	104.6
RP 7.01: GENERAL RESOURCE OR TECHNOLOGY	68.4	.0	.0	68.4	120.7	1.9	.0	122.6	190.9
RP 9.01: UNCLASSIFIED	.9	.0	.0	.9	44.7	.0	3.4	48.1	49.0
GRAND TOTAL	934.1	31.6	229.5	1195.2	2290.7	135.9	19.1	2445.7	3640.9

TABLE V-B REGIONAL SUMMARY OF SCIENTIST-YEARS FOR FY 1978

REGION 3

RESEARCH PROGRAM SUMMARY

NORTH CENTRAL REGION

	AR	ESCS	FS	USDA TOTAL	SAES	OTH COOP INSTS	FORESTRY SCHOOLS	CR/SAES TOTAL	TOTAL
RP 1.01: SOIL & LAND USE	26.2	5.0	.0	31.1	91.9	.0	.0	91.9	123.0
RP 1.02: WATER & WATERSHEDS	27.0	1.6	1.5	30.2	36.6	.0	.0	36.6	66.8
RP 1.03: RECREATION	.0	.0	.0	.0	6.7	.0	.0	6.7	6.7
RP 1.04: ENVIRONMENTAL QUALITY	26.9	5.7	2.4	35.0	56.7	.0	.2	56.9	91.8
RP 1.05: WEATHER MODIFICATION FOR AGRICULTURE & FORESTRY	.7	.2	.0	1.0	14.8	.0	.0	14.8	15.7
RP 1.06: FISH & WILDLIFE	.0	.0	.0	.0	16.8	.0	.0	16.8	16.8
RP 1.07: REMOTE SENSING	.0	.0	.0	.0	1.5	.0	.0	1.5	1.5
RP 2.01: INVENTORY & APPRAISAL OF FOREST RESOURCES	.0	.0	9.7	9.7	5.8	.0	1.6	7.4	17.1
RP 2.02: TIMBER MANAGEMENT	.0	.0	46.5	46.5	33.7	.0	3.9	37.6	84.1
RP 2.03: FOREST PROTECTION	.0	.0	40.8	40.8	13.9	.0	1.4	15.3	56.1
RP 2.04: HARVESTING PROCESSING & MARKETING OF FOREST PRODUCTS	.0	.0	120.8	120.8	18.9	.0	8.6	27.4	148.2
RP 2.05: FOREST WATERSHEDS, SOILS, POLLUTION	.0	.0	11.2	11.2	9.6	.0	2.5	12.2	23.4
RP 2.06: FOREST RANGE WILDLIFE & FISHERIES HABITAT DEVELOPMENT	.0	.0	5.6	5.6	2.6	.0	.4	3.0	8.6
RP 2.07: FOREST RECREATION & AESTHETICS & OTH LANDSCAPE VALUES	.0	.0	5.1	5.1	6.5	.0	1.0	7.5	12.6
RP 2.08: ALTERNATE USES OF LAND	.0	.0	7.1	7.1	3.8	.0	2.1	5.9	13.0
RP 3.01: CORN	63.1	.2	.0	63.3	97.5	.0	.0	97.5	160.9
RP 3.02: GRAIN SORGHUM	9.9	.1	.0	10.1	22.8	.0	.0	22.8	32.9
RP 3.03: WHEAT	46.7	.2	.0	46.9	66.5	.0	.0	66.5	113.5
RP 3.04: SMALL GRAINS OTHER THAN WHEAT	17.1	.1	.0	17.2	31.8	.0	.0	31.8	49.0
RP 3.05: RICE	1.1	.1	.0	1.2	2.1	.0	.0	2.1	3.3
RP 3.06: SOYBEANS	59.5	.0	.0	59.5	73.4	1.0	.0	74.4	133.9
RP 3.07: PEANUTS	.1	.0	.0	.1	.0	.0	.0	.0	.1
RP 3.08: SUGAR	4.3	.0	.0	4.3	4.8	.0	.0	4.8	9.1
RP 3.09: FORAGE, RANGE, & PASTURE	22.2	.1	.0	22.3	73.3	.0	.0	73.3	95.6
RP 3.10: COTTON	.0	.0	.0	.0	4.9	.0	.0	4.9	4.9
RP 3.11: TOBACCO	.0	.0	.0	.0	1.4	.0	.0	1.4	1.4
RP 3.12: NEW CROPS & MINOR OILSEEDS	19.8	.0	.0	19.8	18.2	.0	.0	18.2	37.9
RP 3.13: FRUIT	8.1	.0	.0	8.1	44.9	.0	.0	44.9	52.9
RP 3.14: VEGETABLE CROPS	13.2	.0	.0	13.2	79.0	.0	.0	79.0	92.2
RP 3.15: PLANTS TO ENHANCE THE ENVIRONMENT	11.8	.0	.0	11.8	42.1	.0	.2	42.3	54.1
RP 3.16: BEES & OTHER POLLINATING INSECTS	3.9	.0	.0	3.9	3.9	.0	.0	3.9	7.8
RP 4.01: BEEF	34.7	1.2	.0	35.9	90.3	.4	.0	90.7	126.6
RP 4.02: DAIRY	17.2	.0	.0	17.2	91.3	.4	.0	91.7	108.9
RP 4.03: POULTRY	21.8	.0	.0	21.8	56.6	.0	.0	56.6	78.4
RP 4.04: SHEEP	8.9	.0	.0	8.9	21.9	.4	.0	22.3	31.1
RP 4.05: SWINE	22.1	.0	.0	22.1	78.0	.9	.3	79.2	101.2

TABLE V-B REGIONAL SUMMARY OF SCIENTIST-YEARS FOR FY 1978

REGION 3

RESEARCH PROGRAM SUMMARY

NORTH CENTRAL REGION

	AR	ESCS	FS	USDA TOTAL	SAES	OTH COOP INSTS	FORESTRY SCHOOLS	CR/SAES TOTAL	TOTAL
RP 4.06: OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	1.2	.0	.0	1.2	15.7	.0	.0	15.7	17.0
RP 4.07: AQUATIC FOOD & FEEDSTUFFS	.0	.0	.0	.0	3.5	.0	.0	3.5	3.5
RP 5.01: FOOD & NUTRITION	13.5	.0	.0	13.5	45.7	4.8	.0	50.5	64.0
RP 5.02: FOOD SAFETY	41.9	.0	.0	41.9	28.1	.0	.0	28.1	70.0
RP 5.03: RURAL DEVELOPMENT & QUALITY OF FAMILY LIVING	.1	3.6	.0	3.7	99.2	.3	.0	99.5	103.2
RP 5.04: INSECTS AFFECTING MAN & HIS BELONGINGS	.0	.0	.0	.0	7.0	.0	.0	7.0	7.0
RP 5.05: RESEARCH ON ADMINISTRATION OF RESEARCH	.0	.0	.0	.0	3.1	.0	.0	3.1	3.1
RP 6.01: FARM ADJUSTMENT, PRICES & INCOME	1.9	4.7	.0	6.6	53.0	.0	.0	53.0	59.5
RP 6.02: FOREIGN AGRICULTURAL TRADE & ECONOMIC DEVELOPMENT	1.6	.0	.0	1.6	15.8	.0	.0	15.8	17.4
RP 6.03: MARKETING & COMPETITION	6.8	10.2	.0	17.0	44.2	.0	.0	44.2	61.2
RP 7.01: GENERAL RESOURCE OR TECHNOLOGY	65.0	.0	.0	65.0	183.4	.5	.0	183.9	248.9
RP 9.01: UNCLASSIFIED	.0	.0	.0	.0	23.0	.0	1.2	24.2	24.2
GRAND TOTAL	598.0	33.1	250.7	881.8	1746.4	8.5	23.3	1778.2	2660.0

TABLE V-B REGIONAL SUMMARY OF SCIENTIST-YEARS FOR FY 1978

RESEARCH PROGRAM SUMMARY

REGION 4

WESTERN REGION

	AR	ESCS	FS	USDA TOTAL	SAES	OTH COOP INSTS	FORESTRY SCHOOLS	CR/SAES TOTAL	TOTAL
RP 1.01: SOIL & LAND USE	39.9	1.0	.0	40.9	78.7	.0	.0	78.7	119.7
RP 1.02: WATER & WATERSHEDS	60.6	2.0	3.6	66.2	45.9	.0	.0	46.0	112.2
RP 1.03: RECREATION	.0	.0	.0	.0	7.0	.0	.0	7.0	7.0
RP 1.04: ENVIRONMENTAL QUALITY	25.0	6.2	.0	31.2	74.5	.0	.0	74.5	105.7
RP 1.05: WEATHER MODIFICATION FOR AGRICULTURE & FORESTRY	2.7	.0	.0	2.7	13.7	.0	.2	13.9	16.7
RP 1.06: FISH & WILDLIFE	1.1	.0	.0	1.1	13.4	.0	.1	13.5	14.6
RP 1.07: REMOTE SENSING	.7	.0	.0	.7	1.9	.0	.0	1.9	2.6
RP 2.01: INVENTORY & APPRAISAL OF FOREST RESOURCES	.0	.0	31.3	31.3	6.8	.0	3.4	10.2	41.5
RP 2.02: TIMBER MANAGEMENT	.0	.0	62.3	62.3	14.2	.0	29.2	43.4	105.7
RP 2.03: FOREST PROTECTION	.0	.0	112.9	112.9	17.6	.2	10.2	28.0	140.9
RP 2.04: HARVESTING PROCESSING & MARKETING OF FOREST PRODUCTS	.0	.0	26.1	26.1	22.9	.0	27.2	50.1	76.3
RP 2.05: FOREST WATERSHEDS, SOILS, POLLUTION	.0	.0	71.9	71.9	7.3	.0	20.9	28.2	100.1
RP 2.06: FOREST RANGE WILDLIFE & FISHERIES HABITAT DEVELOPMENT	.0	.0	45.6	45.6	5.3	.0	19.5	24.9	70.5
RP 2.07: FOREST RECREATION & AESTHETICS & OTH LANDSCAPE VALUES	.0	.0	11.2	11.2	6.8	.0	7.7	14.4	25.6
RP 2.08: ALTERNATE USES OF LAND	.0	.0	9.9	9.9	1.5	.0	2.5	3.9	13.8
RP 2.09: TECHNICAL ASSISTANCE	.0	.0	.0	.0	.2	.0	.4	.5	.5
RP 3.01: CORN	.0	.0	.0	.0	11.2	.0	.0	11.2	11.2
RP 3.02: GRAIN SORGHUM	.0	.0	.0	.0	4.0	.0	.0	4.0	4.0
RP 3.03: WHEAT	28.7	.0	.0	28.7	38.1	.0	.0	38.1	66.8
RP 3.04: SMALL GRAINS OTHER THAN WHEAT	6.2	.0	.0	6.2	22.4	.0	.0	22.4	28.6
RP 3.05: RICE	1.6	.0	.0	1.6	4.6	.0	.0	4.6	6.2
RP 3.06: SOYBEANS	.7	.0	.0	.7	4.4	1.0	.0	5.4	6.1
RP 3.07: PEANUTS	.0	.0	.0	.0	2.1	.0	.0	2.1	2.1
RP 3.08: SUGAR	21.7	.0	.0	21.7	13.0	.0	.0	13.0	34.6
RP 3.09: FORAGE, RANGE, & PASTURE	64.9	.0	.0	64.9	96.1	.0	.0	96.1	161.1
RP 3.10: COTTON	35.8	.0	.0	35.8	27.3	.0	.0	27.3	63.1
RP 3.11: TOBACCO	.0	.0	.0	.0	.3	.0	.0	.3	.3
RP 3.12: NEW CROPS & MINOR OILSEEDS	9.1	.0	.0	9.1	15.3	.0	.0	15.3	24.4
RP 3.13: FRUIT	74.0	.0	.0	74.0	149.8	.0	.0	149.8	223.8
RP 3.14: VEGETABLE CROPS	52.3	.0	.0	52.3	120.1	.0	.0	120.1	172.4
RP 3.15: PLANTS TO ENHANCE THE ENVIRONMENT	5.3	.0	.0	5.3	46.4	.0	.1	46.5	51.8
RP 3.16: BEES & OTHER POLLINATING INSECTS	11.6	.0	.0	11.6	10.0	.0	.0	10.0	21.6
RP 4.01: BEEF	12.6	.6	.0	13.2	101.9	.0	.0	101.9	115.1
RP 4.02: DAIRY	4.5	.0	.0	4.5	30.9	.0	.0	30.9	35.4
RP 4.03: POULTRY	7.6	.0	.0	7.6	30.9	.0	.0	30.9	38.5
RP 4.04: SHEEP	36.7	.0	.0	36.7	32.1	.0	.0	32.1	68.8

TABLE V-B REGIONAL SUMMARY OF SCIENTIST-YEARS FOR FY 1978
RESEARCH PROGRAM SUMMARY

TABLE V-B	REGIONAL SUMMARY OF SCIENTIST-YEARS FOR FY 1978						REGION 4			
RESEARCH PROGRAM SUMMARY	WESTERN REGION									
	AR	ESCS	FS	USDA TOTAL	SARS	OTH COOP INSTS	FORESTRY SCHOOLS	CR/SARS TOTAL	TOTAL	
RP 4.05: SWINE	.7	.0	.0	.7	4.4	.0	.0	4.4	5.2	
RP 4.06: OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	5.5	.0	.0	5.5	8.8	.0	.0	8.8	14.3	
RP 4.07: AQUATIC FOOD & FEEDSTUFFS	.0	.0	.0	.0	10.5	.0	.0	10.5	10.5	
RP 5.01: FOOD & NUTRITION	17.7	.0	.0	17.7	52.5	.0	.0	52.5	70.2	
RP 5.02: FOOD SAFETY	13.4	.0	.0	13.4	36.0	.0	.0	36.0	49.4	
RP 5.03: RURAL DEVELOPMENT & QUALITY OF FAMILY LIVING	.7	.2	.0	.9	54.6	.0	.0	54.6	55.5	
RP 5.04: INSECTS AFFECTING MAN & HIS BELONGINGS	1.8	.0	.0	1.8	12.8	.0	.0	12.8	14.6	
RP 5.05: RESEARCH ON ADMINISTRATION OF RESEARCH	.0	.0	.0	.0	1.9	.0	.0	1.9	1.9	
RP 6.01: FARM ADJUSTMENT, PRICES & INCOME	.0	2.9	.0	2.9	29.0	.0	.0	29.0	31.9	
RP 6.02: FOREIGN AGRICULTURAL TRADE & ECONOMIC DEVELOPMENT	10.4	.0	.0	10.4	6.0	.0	.0	6.0	16.4	
RP 6.03: MARKETING & COMPETITION	4.4	2.2	.0	6.6	31.6	.0	.0	31.7	38.3	
RP 7.01: GENERAL RESOURCE OR TECHNOLOGY	34.3	.0	.0	34.3	192.7	.0	.2	192.8	227.1	
RP 9.01: UNCLASSIFIED	7.0	.0	.0	7.0	17.0	.0	6.9	23.9	30.9	
GRAND TOTAL	599.4	15.1	374.8	989.3	1536.5	1.2	128.5	1666.2	2655.5	

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978
RESEARCH PROGRAM SUMMARY

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978					FOREIGN				
RESEARCH PROGRAM SUMMARY					ARGENTINA				
	AR	ESCS	FS	USDA TOTAL	SAES	OTH COOP INSTS	FORESTRY SCHOOLS	CR/SAES TOTAL	TOTAL
RP 1.02: WATER & WATERSHEDS	.0	.0	.0	.0	.0	.0	.0	.0	.0
RP 3.06: SOYBEANS	.0	.0	.0	.0	.0	.0	.0	.0	.0
RP 3.09: FORAGE, RANGE, & PASTURE	.0	.0	.0	.0	.0	.0	.0	.0	.0
RP 3.10: COTTON	.0	.0	.0	.0	.0	.0	.0	.0	.0
RP 7.01: GENERAL RESOURCE OR TECHNOLOGY	.0	.0	.0	.0	.0	.0	.0	.0	.0
GRAND TOTAL	.0	.0	.0	.0	.0	.0	.0	.0	.0

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978
RESEARCH PROGRAM SUMMARY

STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978					FOREIGN				
RESEARCH PROGRAM SUMMARY					AUSTRALIA				
	AR	ESCS	FS	USDA TOTAL	SAES	OTH COOP INSTS	FORESTRY SCHOOLS	CR/SAES TOTAL	TOTAL
RP 3.06: SOYBEANS	.0	.0	.0	.0	.0	.0	.0	.0	.0
GRAND TOTAL	.0	.0	.0	.0	.0	.0	.0	.0	.0

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978
RESEARCH PROGRAM SUMMARY

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978										FOREIGN
RESEARCH PROGRAM SUMMARY										CANAL ZONE
	AR	ESCS	FS	USDA TOTAL	SAES	OTH COOP INSTS	FORESTRY SCHOOLS	CR/SAES TOTAL	TOTAL	
RP 6.02: FOREIGN AGRICULTURAL TRADE & ECONOMIC DEVELOPMENT	.3	.0	.0	.3	.0	.0	.0	.0	.3	
GRAND TOTAL	.3	.0	.0	.3	.0	.0	.0	.0	.3	

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978
RESEARCH PROGRAM SUMMARY

TABLE V-B		STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978						FOREIGN	
RESEARCH PROGRAM SUMMARY		EL SALVADOR							
	AR	ESCS	FS	USDA TOTAL	SAES	OTH COOP INSTS	FORESTRY SCHOOLS	CR/SAES TOTAL	TOTAL
RP 5.04: INSECTS AFFECTING MAN & HIS BELONGINGS	2.2	.0	.0	2.2	.0	.0	.0	.0	2.2
GRAND TOTAL	2.2	.0	.0	2.2	.0	.0	.0	.0	2.2

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978

RESEARCH PROGRAM SUMMARY

TABLE V-B		STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978						FOREIGN		
RESEARCH PROGRAM SUMMARY		FRANCE								
		AR	ESCS	FS	USDA TOTAL	SAES	OTH COOP INSTS	FORESTRY SCHOOLS	CB/SAES TOTAL	TOTAL
RP 2.03:	FOREST PROTECTION	.6	.0	.0	.6	.0	.0	.0	.0	.6
RP 3.03:	WHEAT	.3	.0	.0	.3	.0	.0	.0	.0	.3
RP 3.04:	SMALL GRAINS OTHER THAN WHEAT	.3	.0	.0	.3	.0	.0	.0	.0	.3
RP 7.01:	GENERAL RESOURCE OR TECHNOLOGY	.8	.0	.0	.8	.0	.0	.0	.0	.8
GRAND TOTAL		2.1	.0	.0	2.1	.0	.0	.0	.0	2.1

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978

RESEARCH PROGRAM SUMMARY

TABLE V-5 STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978								FOREIGN	
RESEARCH PROGRAM SUMMARY								ITALY	
	AR	ESCS	FS	USDA TOTAL	SAES	OTH COOP INSTS	FORESTRY SCHOOLS	CR/SAES TOTAL	TOTAL
RP 3.09: FORAGE, RANGE, & PASTURE	1.8	.0	.0	1.8	.0	.0	.0	.0	1.8
GRAND TOTAL	1.8	.0	.0	1.8	.0	.0	.0	.0	1.8

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978

RESEARCH PROGRAM SUMMARY

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978							FOREIGN		
RESEARCH PROGRAM SUMMARY							JAPAN		
	AR	ESCS	FS	USDA TOTAL	SAES	OTH COOP INSTS	FORESTRY SCHOOLS	CR/SAES TOTAL	TOTAL
RP 2.03: FOREST PROTECTION	.6	.0	.0	.6	.0	.0	.0	.0	.6
RP 7.01: GENERAL RESOURCE OR TECHNOLOGY	.4	.0	.0	.4	.0	.0	.0	.0	.4
GRAND TOTAL	1.0	.0	.0	1.0	.0	.0	.0	.0	1.0

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978

RESEARCH PROGRAM SUMMARY

TABLE V-B		STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978						FOREIGN		
RESEARCH PROGRAM SUMMARY		KENYA								
	AR	ESCS	FS	USDA TOTAL	SAES	OTH COOP INSTS	FORESTRY SCHOOLS	CR/SAES TOTAL	TOTAL	
RP 4.01: BEEF	.6	.0	.0	.6	.0	.0	.0	.0	.6	
RP 4.02: DAIRY	.4	.0	.0	.4	.0	.0	.0	.0	.4	
GRAND TOTAL	1.0	.0	.0	1.0	.0	.0	.0	.0	1.0	

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978
RESEARCH PROGRAM SUMMARY

TABLE V-B		STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978						FOREIGN		
RESEARCH PROGRAM SUMMARY		NETHERLANDS								
		AR	ESCS	FS	USDA TOTAL	SAES	OTH COOP INSTS	FORESTRY SCHOOLS	CR/SAES TOTAL	TOTAL
RP 3.13:	FRUIT	.3	.0	.0	.3	.0	.0	.0	.0	.3
RP 6.02:	FOREIGN AGRICULTURAL TRADE & ECONOMIC DEVELOPMENT	1.5	.0	.0	1.5	.0	.0	.0	.0	1.5
GRAND TOTAL		1.8	.0	.0	1.8	.0	.0	.0	.0	1.8

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978
RESEARCH PROGRAM SUMMARY

TABLE V-B		STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978						FOREIGN	
RESEARCH PROGRAM SUMMARY		PAKISTAN							
	AR	ESCS	FS	USDA TOTAL	SAES	OTH COOP INSTS	FORESTRY SCHOOLS	CR/SAES TOTAL	TOTAL
RP 3.12: NEW CROPS & MINOR OILSEEDS	.2	.0	.0	.2	.0	.0	.0	.0	.2
GRAND TOTAL	.2	.0	.0	.2	.0	.0	.0	.0	.2

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978
RESEARCH PROGRAM SUMMARY

TABLE V-B		STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978						FOREIGN	
RESEARCH PROGRAM SUMMARY		SCOTLAND							
	AR	ESCS	FS	USDA TOTAL	SADS	OTH COOP INSTS	FORESTRY SCHOOLS	CR/SAES TOTAL	TOTAL
RP 5.03: RURAL DEVELOPMENT & QUALITY OF FAMILY LIVING	.0			.0	.0	.0	.0	.0	.0
GRAND TOTAL	.0	.0	.0	.0	.0	.0	.0	.0	.0

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978
RESEARCH PROGRAM SUMMARY

TABLE V-B		STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978						FOREIGN	
RESEARCH PROGRAM SUMMARY		SPAIN							
	AR	ESCS	FS	USDA TOTAL	SAES	OTH COOP INSTS	FORESTRY SCHOOLS	CR/SAES TOTAL	TOTAL
RP 4.05: SWINE	.0	.0	.0	.0	.0	.0	.0	.0	.0
GRAND TOTAL	.0	.0	.0	.0	.0	.0	.0	.0	.0

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978
RESEARCH PROGRAM SUMMARY

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978									
RESEARCH PROGRAM SUMMARY									
FOREIGN									TOTAL
TAIWAN									
	AR	ESCS	FS	USDA TOTAL	SAES	OTH COOP INSTS	FORESTRY SCHOOLS	CR/SAES TOTAL	
RP 3.12: NEW CROPS & MINOR OILSEEDS	2.4	.0	.0	2.4	.0	.0	.0	.0	2.4
RP 6.02: FOREIGN AGRICULTURAL TRADE & ECONOMIC DEVELOPMENT	10.0	.0	.0	10.0	.0	.0	.0	.0	10.0
GRAND TOTAL	12.4	.0	.0	12.4	.0	.0	.0	.0	12.4

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978
RESEARCH PROGRAM SUMMARY

RESEARCH PROGRAM SUMMARY	STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978						FOREIGN		
							TANZANIA		
	AR	ESCS	FS	USDA TOTAL	SAES	OTH COOP INSTS	FORESTRY SCHOOLS	CR/SAES TOTAL	TOTAL
RP 4.01: BEEF	1.7	.0	.0	1.7	.0	.0	.0	.0	1.7
RP 4.02: DAIRY	1.7	.0	.0	1.7	.0	.0	.0	.0	1.7
RP 5.03: RURAL DEVELOPMENT & QUALITY OF FAMILY LIVING	.9	.0	.0	.9	.0	.0	.0	.0	.9
GRAND TOTAL	4.3	.0	.0	4.3	.0	.0	.0	.0	4.3

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978
RESEARCH PROGRAM SUMMARY

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978							FOREIGN		
RESEARCH PROGRAM SUMMARY							THAILAND		
	AR	ESCS	FS	USDA TOTAL	SAES	OTH COOP INSTS	FORESTRY SCHOOLS	CR/SAES TOTAL	TOTAL
RP 3.12: NEW CROPS & MINOR OILSEEDS	1.0	.0	.0	1.0	.0	.0	.0	.0	1.0
RP 3.15: PLANTS TO ENHANCE THE ENVIRONMENT	3.0	.0	.0	3.0	.0	.0	.0	.0	3.0
RP 3.16: BEES & OTHER POLLINATING INSECTS	2.4	.0	.0	2.4	.0	.0	.0	.0	2.4
GRAND TOTAL	6.4	.0	.0	6.4	.0	.0	.0	.0	6.4

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978
RESEARCH PROGRAM SUMMARY

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978							FOREIGN		
RESEARCH PROGRAM SUMMARY							TURKEY		
	AR	ESCS	FS	USDA TOTAL	SAES	OTH COOP INSTS	FORESTRY SCHOOLS	CR/SAES TOTAL	TOTAL
RP 7.01: GENERAL RESOURCE OR TECHNOLOGY	2.0	.0	.0	2.0	.0	.0	.0	.0	2.0
GRAND TOTAL	2.0	.0	.0	2.0	.0	.0	.0	.0	2.0

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978
RESEARCH PROGRAM SUMMARY

REGION 1

CONNECTICUT

	AR	ESCS	FS	USDA TOTAL	CONN NEW HAVEN	CONN STORRS	FORESTRY SCHOOLS	CR/SALES TOTAL	TOTAL
RP 1.01: SOIL & LAND USE	.0	.0	.0	.0	.2	1.0	.0	1.2	1.2
RP 1.02: WATER & WATERSHEDS	.0	.0	.0	.0	.0	.3	.0	.3	.3
RP 1.03: RECREATION	.0	.0	.0	.0	.0	.8	.0	.8	.8
RP 1.04: ENVIRONMENTAL QUALITY	.0	.0	.0	.0	5.7	1.5	.0	7.2	7.2
RP 1.05: WEATHER MODIFICATION FOR AGRICULTURE & FORESTRY	.0	.0	.0	.0	.0	.1	.0	.1	.1
RP 2.01: INVENTORY & APPRAISAL OF FOREST RESOURCES	.0	.0	.0	.0	.0	.0	.0	.0	.0
RP 2.02: TIMBER MANAGEMENT	.0	.0	.0	.0	.4	.4	.0	.8	.8
RP 2.03: FOREST PROTECTION	.0	.0	15.5	15.5	6.0	.0	.0	6.0	21.5
RP 2.04: HARVESTING PROCESSING & MARKETING OF FOREST PRODUCTS	.0	.0	.0	.0	.0	.6	.0	.6	.6
RP 2.05: FOREST WATERSHEDS, SOILS, POLLUTION	.0	.0	.0	.0	.5	.7	.0	1.2	1.2
RP 2.07: FOREST RECREATION & AESTHETICS & OTH LANDSCAPE VALUES	.0	.0	1.0	1.0	.0	.0	.0	.0	1.0
RP 2.08: ALTERNATE USES OF LAND	.0	.0	.0	.0	.0	.2	.0	.2	.2
RP 3.01: CORN	.0	.0	.0	.0	.7	.4	.0	1.1	1.1
RP 3.06: SOYBEANS	.0	.0	.0	.0	3.3	.0	.0	3.3	3.3
RP 3.09: FORAGE, RANGE, & PASTURE	.0	.0	.0	.0	.0	.8	.0	.8	.8
RP 3.11: TOBACCO	.0	.0	.0	.0	4.5	.0	.0	4.5	4.5
RP 3.12: NEW CROPS & MINOR OILSEEDS	.0	.0	.0	.0	.1	.0	.0	.1	.1
RP 3.13: FRUIT	.0	.0	.0	.0	3.8	.0	.0	3.8	3.8
RP 3.14: VEGETABLE CROPS	.0	.0	.0	.0	3.5	1.7	.0	5.2	5.2
RP 3.15: PLANTS TO ENHANCE THE ENVIRONMENT	.0	.0	.0	.0	2.9	1.8	.0	4.7	4.7
RP 3.16: BEES & OTHER POLLINATING INSECTS	.0	.0	.0	.0	.0	.3	.0	.3	.3
RP 4.01: BEEF	.0	.0	.0	.0	.0	.5	.0	.5	.5
RP 4.02: DAIRY	.0	.0	.0	.0	.0	1.5	.0	1.5	1.5
RP 4.03: POULTRY	.0	.0	.0	.0	.0	4.6	.0	4.6	4.6
RP 4.04: SHEEP	.0	.0	.0	.0	.0	.4	.0	.4	.4
RP 4.06: OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	.0	.0	.0	.0	1.0	.7	.0	1.6	1.6
RP 4.07: AQUATIC FOOD & FEEDSTUFFS	.0	.0	.0	.0	.0	.2	.0	.2	.2
RP 5.01: FOOD & NUTRITION	.0	.0	.0	.0	1.8	.8	.0	2.6	2.6
RP 5.02: FOOD SAFETY	.0	.0	.0	.0	.0	1.1	.0	1.1	1.1
RP 5.03: RURAL DEVELOPMENT & QUALITY OF FAMILY LIVING	.0	.0	.0	.0	.0	2.3	.0	2.3	2.3
RP 5.04: INSECTS AFFECTING MAN & HIS BELONGINGS	.0	.0	.0	.0	1.6	.0	.0	1.6	1.6
RP 6.01: FARM ADJUSTMENT, PRICES & INCOME	.0	.0	.0	.0	.0	.4	.0	.4	.4
RP 6.03: MARKETING & COMPETITION	.0	.0	.0	.0	.0	1.2	.0	1.2	1.2
RP 7.01: GENERAL RESOURCE OR TECHNOLOGY	.0	.0	.0	.0	3.8	.1	.0	4.0	4.0
RP 9.01: UNCLASSIFIED	.0	.0	.0	.0	.0	9.0	.0	9.0	9.0
GRAND TOTAL	.0	.0	16.5	16.5	39.9	33.2	.0	73.1	89.6

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978

RESEARCH PROGRAM SUMMARY

REGION 1

DELAWARE

	AR	ESCS	FS	USDA TOTAL	SAES	OTH COOP INSTS	FORESTRY SCHOOLS	CR/SAES TOTAL	TOTAL
RP 1.01: SOIL & LAND USE	.0	.0	.0	.0	.6	.0	.0	.6	.6
RP 1.02: WATER & WATERSHEDS	.0	.0	.0	.0	.7	.0	.0	.7	.7
RP 1.03: RECREATION	.0	.0	.0	.0	.7	.0	.0	.7	.7
RP 1.04: ENVIRONMENTAL QUALITY	.0	.0	.0	.0	1.2	.1	.0	1.3	1.3
RP 1.06: FISH & WILDLIFE	.0	.0	.0	.0	.0	1.5	.0	1.5	1.5
RP 2.03: FOREST PROTECTION	1.2	.0	.0	1.2	1.0	.0	.0	1.0	2.2
RP 2.06: FOREST RANGE WILDLIFE & FISHERIES HABITAT DEVELOPMENT	.0	.0	.0	.0	.7	.0	.0	.7	.7
RP 2.08: ALTERNATE USES OF LAND	.0	.0	.0	.0	.2	.0	.0	.2	.2
RP 3.01: CORN	.0	.0	.0	.0	2.3	.0	.0	2.3	2.3
RP 3.02: GRAIN SORGHUM	.0	.0	.0	.0	.1	.0	.0	.1	.1
RP 3.03: WHEAT	.0	.0	.0	.0	.1	.0	.0	.1	.1
RP 3.06: SOYBEANS	.0	.0	.0	.0	1.5	.0	.0	1.5	1.5
RP 3.09: FORAGE, RANGE, & PASTURE	.0	.0	.0	.0	.0	.1	.0	.1	.1
RP 3.14: VEGETABLE CROPS	.0	.0	.0	.0	2.4	.0	.0	2.4	2.4
RP 3.15: PLANTS TO ENHANCE THE ENVIRONMENT	.0	.0	.0	.0	.2	.0	.0	.2	.2
RP 3.16: BEES & OTHER POLLINATING INSECTS	.0	.0	.0	.0	.7	.0	.0	.7	.7
RP 4.01: BEEF	.0	.0	.0	.0	.0	.0	.0	.0	.0
RP 4.02: DAIRY	.0	.0	.0	.0	1.4	.1	.0	1.5	1.5
RP 4.03: POULTRY	1.2	.0	.0	1.2	4.0	.0	.0	4.0	5.2
RP 4.06: OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	.0	.0	.0	.0	.3	.0	.0	.3	.3
RP 4.07: AQUATIC FOOD & FEEDSTUFFS	.0	.0	.0	.0	.1	.5	.0	.6	.6
RP 5.01: FOOD & NUTRITION	.0	.0	.0	.0	.5	.7	.0	1.2	1.2
RP 5.02: FOOD SAFETY	.2	.0	.0	.2	.0	.0	.0	.0	.2
RP 5.03: RURAL DEVELOPMENT & QUALITY OF FAMILY LIVING	.0	.0	.0	.0	.6	2.0	.0	2.6	2.6
RP 5.04: INSECTS AFFECTING MAN & HIS BELONGINGS	.0	.0	.0	.0	1.2	.0	.0	1.2	1.2
RP 6.01: FARM ADJUSTMENT, PRICES & INCOME	.0	.0	.0	.0	.9	.0	.0	.9	.9
RP 6.03: MARKETING & COMPETITION	.0	.0	.0	.0	.8	.0	.0	.8	.8
RP 7.01: GENERAL RESOURCE OR TECHNOLOGY	3.7	.0	.0	3.7	.1	.1	.0	.2	3.9
RP 9.01: UNCLASSIFIED	.0	.0	.0	.0	.0	.0	.0	.0	.0
GRAND TOTAL	6.2	.0	.0	6.2	22.4	5.0	.0	27.4	33.6

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978
RESEARCH PROGRAM SUMMARY

REGION 1
DISTRICT OF COLUMBIA

	AR	ESCS	FS	USDA TOTAL	SAES	OTH COOP INSTS	FORESTRY SCHOOLS	CR/SAES TOTAL	TOTAL
RP 1.01: SOIL & LAND USE	.0	12.7	.0	12.7	.3	.0	.0	.3	13.0
RP 1.02: WATER & WATERSHEDS	.0	7.4	.0	7.4	.0	.0	.0	.0	7.4
RP 1.03: RECREATION	.0	.0	.0	.0	.2	.0	.0	.2	.2
RP 1.04: ENVIRONMENTAL QUALITY	.0	11.6	.0	11.6	.3	.0	.0	.3	11.9
RP 3.01: CORN	.0	.1	.0	.1	.0	.0	.0	.0	.1
RP 3.02: GRAIN SORGHUM	.0	.1	.0	.1	.0	.0	.0	.0	.1
RP 3.03: WHEAT	.0	.1	.0	.1	.0	.0	.0	.0	.1
RP 3.04: SMALL GRAINS OTHER THAN WHEAT	.0	.1	.0	.1	.0	.0	.0	.0	.1
RP 3.05: RICE	.0	.1	.0	.1	.0	.0	.0	.0	.1
RP 3.06: SOYBEANS	.0	.3	.0	.3	.0	.0	.0	.0	.3
RP 3.10: COTTON	.0	1.0	.0	1.0	.0	.0	.0	.0	1.0
RP 3.14: VEGETABLE CROPS	2.0	.0	.0	2.0	.0	.0	.0	.0	2.0
RP 3.15: PLANTS TO ENHANCE THE ENVIRONMENT	9.1	.0	.0	9.1	.0	.0	.0	.0	9.1
RP 5.01: FOOD & NUTRITION	3.5	8.4	.0	11.9	.1	.0	.0	.1	12.0
RP 5.02: FOOD SAFETY	.1	.0	.0	.1	.0	.0	.0	.0	.1
RP 5.03: RURAL DEVELOPMENT & QUALITY OF FAMILY LIVING	.0	45.2	.0	45.2	.0	.0	.0	.0	45.2
RP 6.01: FARM ADJUSTMENT, PRICES & INCOME	.0	60.5	.0	60.5	.0	.0	.0	.0	60.5
RP 6.02: FOREIGN AGRICULTURAL TRADE & ECONOMIC DEVELOPMENT	.0	67.5	.0	67.5	.0	.0	.0	.0	67.5
RP 6.03: MARKETING & COMPETITION	.0	168.1	.0	168.1	.1	.0	.0	.1	168.2
GRAND TOTAL	14.7	383.1	.0	397.8	.8	.0	.0	.8	398.6

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978
RESEARCH PROGRAM SUMMARY

	REGION 1								
	MAINE								
	AR	ESCS	FS	USDA TOTAL	SAES	OTH COOP INSTS	FORESTRY SCHOOLS	CR/SAES TOTAL	TOTAL
RP 1.01: SOIL & LAND USE	.0	.0	.0	.0	2.9	.0	.0	2.9	2.9
RP 1.02: WATER & WATERSHEDS	1.7	.0	.0	1.7	.0	.0	.0	.0	1.7
RP 1.03: RECREATION	.0	.0	.0	.0	.8	.0	.0	.8	.8
RP 1.04: ENVIRONMENTAL QUALITY	.0	.0	.0	.0	1.3	.0	.0	1.3	1.3
RP 1.05: WEATHER MODIFICATION FOR AGRICULTURE & FORESTRY	.0	.0	.0	.0	.4	.0	.0	.4	.4
RP 1.06: FISH & WILDLIFE	.0	.0	.0	.0	1.2	.0	.0	1.2	1.2
RP 1.07: REMOTE SENSING	.0	.0	.0	.0	.1	.0	.0	.1	.1
RP 2.01: INVENTORY & APPRAISAL OF FOREST RESOURCES	.0	.0	.0	.0	1.7	.0	.0	1.7	1.7
RP 2.02: TIMBER MANAGEMENT	.0	.0	4.6	4.6	3.5	.0	.0	3.5	8.0
RP 2.03: FOREST PROTECTION	.0	.0	1.8	1.8	3.9	.0	.0	3.9	5.7
RP 2.04: HARVESTING PROCESSING & MARKETING OF FOREST PRODUCTS	.0	.0	.0	.0	5.9	.0	.0	5.9	5.9
RP 2.05: FOREST WATERSHEDS, SOILS, POLLUTION	.0	.0	.0	.0	.2	.0	.0	.2	.2
RP 2.06: FOREST RANGE WILDLIFE & FISHERIES HABITAT DEVELOPMENT	.0	.0	.7	.7	.3	.0	.0	.3	1.0
RP 2.07: FOREST RECREATION & AESTHETICS & OTH LANDSCAPE VALUES	.0	.0	.0	.0	.0	.0	.0	.0	.0
RP 2.08: ALTERNATE USES OF LAND	.0	.0	.0	.0	2.1	.0	.0	2.1	2.1
RP 3.01: CORN	.0	.0	.0	.0	.4	.0	.0	.4	.4
RP 3.09: FORAGE, RANGE, & PASTURE	.3	.0	.0	.3	.8	.0	.0	.8	1.1
RP 3.13: FRUIT	.8	.0	.0	.8	4.7	.0	.0	4.7	5.5
RP 3.14: VEGETABLE CROPS	3.9	.0	.0	3.9	7.9	.0	.0	7.9	11.8
RP 4.02: DAIRY	.0	.0	.0	.0	4.0	.0	.0	4.0	4.0
RP 4.03: POULTRY	.0	.0	.0	.0	3.8	.0	.0	3.8	3.8
RP 4.04: SHEEP	.0	.0	.0	.0	.5	.0	.0	.5	.5
RP 4.06: OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	.0	.0	.0	.0	.1	.0	.0	.1	.1
RP 4.07: AQUATIC FOOD & FEEDSTUFFS	.0	.0	.0	.0	1.7	.0	.0	1.7	1.7
RP 5.01: FOOD & NUTRITION	.0	.0	.0	.0	1.0	.0	.0	1.0	1.0
RP 5.02: FOOD SAFETY	.0	.0	.0	.0	.1	.0	.0	.1	.1
RP 5.03: RURAL DEVELOPMENT & QUALITY OF FAMILY LIVING	.0	.0	.0	.0	2.9	.0	.0	2.9	2.9
RP 5.04: INSECTS AFFECTING MAN & HIS BELONGINGS	.0	.0	.0	.0	2.3	.0	.0	2.3	2.3
RP 6.01: FARM ADJUSTMENT, PRICES & INCOME	.0	.0	.0	.0	1.1	.0	.0	1.1	1.1
RP 6.03: MARKETING & COMPETITION	.0	.0	.0	.0	3.7	.0	.0	3.7	3.7
RP 7.01: GENERAL RESOURCE OR TECHNOLOGY	.0	.0	.0	.0	1.9	.0	.0	1.9	1.9
RP 9.01: UNCLASSIFIED	.0	.0	.0	.0	.6	.0	.0	.6	.6
GRAND TOTAL	6.7	.0	7.0	13.7	61.7	.0	.0	61.7	75.4

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978

REGION 1

RESEARCH PROGRAM SUMMARY

MARYLAND

	AR	ESCS	FS	USDA TOTAL	SAES	OTH COOP INSTS	FORESTRY SCHOOLS	CB/SAES TOTAL	TOTAL
RP 1.01: SOIL & LAND USE	1.2	.0	.0	1.2	1.5	.2	.0	1.7	2.9
RP 1.02: WATER & WATERSHEDS	8.0	.0	.0	8.0	.9	.0	.0	.9	8.9
RP 1.03: RECREATION	.0	.0	.0	.0	.2	.0	.0	.2	.2
RP 1.04: ENVIRONMENTAL QUALITY	32.4	.0	.0	32.4	3.7	.3	.0	4.0	36.4
RP 1.06: FISH & WILDLIFE	1.0	.0	.0	1.0	.4	.0	.0	.4	1.4
RP 1.07: REMOTE SENSING	1.0	.0	.0	1.0	.0	.0	.0	.0	1.0
RP 2.02: TIMBER MANAGEMENT	.0	.0	5.0	5.0	1.4	.0	.0	1.4	6.4
RP 2.03: FOREST PROTECTION	3.1	.0	.0	3.1	2.5	.0	.0	2.5	5.5
RP 2.04: HARVESTING PROCESSING & MARKETING OF FOREST PRODUCTS	.0	.0	.0	.0	1.1	.0	.0	1.1	1.1
RP 2.05: FOREST WATERSHEDS, SOILS, POLLUTION	.0	.0	.0	.0	1.7	.0	.0	1.7	1.7
RP 2.07: FOREST RECREATION & AESTHETICS & OTH LANDSCAPE VALUES	.0	.0	.0	.0	.1	.0	.0	.1	.1
RP 2.08: ALTERNATE USES OF LAND	.0	.0	.0	.0	.1	.0	.0	.1	.1
RP 3.01: CORN	4.9	.0	.0	4.9	1.9	.0	.0	1.9	6.8
RP 3.02: GRAIN SORGHUM	.2	.0	.0	.2	.0	.0	.0	.0	.2
RP 3.03: WHEAT	4.8	.0	.0	4.8	.5	.0	.0	.5	5.2
RP 3.04: SMALL GRAINS OTHER THAN WHEAT	1.0	.0	.0	1.0	.3	.0	.0	.3	1.3
RP 3.05: RICE	.7	.0	.0	.7	.0	.0	.0	.0	.7
RP 3.06: SOYBEANS	11.1	.0	.0	11.1	3.2	.3	.0	3.4	14.6
RP 3.07: PEANUTS	.2	.0	.0	.2	.0	.0	.0	.0	.2
RP 3.08: SUGAR	3.5	.0	.0	3.5	.0	.0	.0	.0	3.5
RP 3.09: FORAGE, RANGE, & PASTURE	5.0	.0	.0	5.0	2.6	.0	.0	2.6	7.6
RP 3.10: COTTON	1.0	.0	.0	1.0	.2	.0	.0	.2	1.1
RP 3.11: TOBACCO	9.3	.0	.0	9.3	2.8	.0	.0	2.8	12.1
RP 3.12: NEW CROPS & MINOR OILSEEDS	8.0	.0	.0	8.0	.3	.0	.0	.3	8.3
RP 3.13: FRUIT	21.4	.0	.0	21.4	2.7	.0	.0	2.7	24.1
RP 3.14: VEGETABLE CROPS	24.5	.0	.0	24.5	5.9	.0	.0	5.9	30.4
RP 3.15: PLANTS TO ENHANCE THE ENVIRONMENT	16.0	.0	.0	16.0	3.8	.0	.0	3.8	19.9
RP 3.16: BEES & OTHER POLLINATING INSECTS	5.1	.0	.0	5.1	.3	.0	.0	.3	5.4
RP 4.01: BEEF	18.3	.0	.0	18.3	2.6	.0	.0	2.6	21.0
RP 4.02: DAIRY	36.9	.0	.0	36.9	5.9	.0	.0	5.9	42.8
RP 4.03: POULTRY	18.0	.0	.0	18.0	9.8	.3	.0	10.1	28.0
RP 4.04: SHEEP	8.0	.0	.0	8.0	.5	.0	.0	.5	8.6
RP 4.05: SWINE	13.2	.0	.0	13.2	.5	.0	.0	.5	13.8
RP 4.06: OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	2.8	.0	.0	2.8	4.0	.0	.0	4.0	6.8
RP 4.07: AQUATIC FOOD & FEEDSTUFFS	.2	.0	.0	.2	1.3	.3	.0	1.6	1.8
RP 5.01: FOOD & NUTRITION	89.7	.0	.0	89.7	2.1	.9	.0	3.0	92.6

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978
RESEARCH PROGRAM SUMMARY

TABLE V-B		STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978						REGION 1	
RESEARCH PROGRAM SUMMARY		MARYLAND							
	AR	ESCS	FS	USDA TOTAL	SAES	OTH COOP INSTS	FORESTRY SCHOOLS	CB/SAES TOTAL	TOTAL
RP 5.02: FOOD SAFETY	9.7	.0	.0	9.7	1.6	.1	.0	1.6	11.3
RP 5.03: RURAL DEVELOPMENT & QUALITY OF FAMILY LIVING	5.4	.0	.0	5.4	4.7	.4	.0	5.1	10.5
RP 5.04: INSECTS AFFECTING MAN & HIS BELONGINGS	7.0	.0	.0	7.0	.0	.0	.0	.0	7.0
RP 6.01: FARM ADJUSTMENT, PRICES & INCOME	2.4	.0	.0	2.4	.8	.0	.0	.8	3.2
RP 6.02: FOREIGN AGRICULTURAL TRADE & ECONOMIC DEVELOPMENT	5.0	.0	.0	5.0	.4	.0	.0	.4	5.4
RP 6.03: MARKETING & COMPETITION	27.2	.0	.0	27.2	3.2	.0	.0	3.2	30.4
RP 7.01: GENERAL RESOURCE OR TECHNOLOGY	131.6	.0	.0	131.6	4.4	.0	.0	4.4	135.9
GRAND TOTAL	538.6	.0	5.0	543.6	79.7	2.7	.0	82.4	626.0

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978
RESEARCH PROGRAM SUMMARY

REGION 1
MASSACHUSETTS

	AR	ESCS	FS	USDA TOTAL	SAES	OTH COOP INSTIT	FORESTRY SCHOOLS	CR/SAES TOTAL	TOTAL
RP 1.01: SOIL & LAND USE	.0	.0	.0	.0	2.5	.0	.0	2.5	2.5
RP 1.02: WATER & WATERSHEDS	.0	.0	.0	.0	.2	.0	.0	.2	.2
RP 1.03: RECREATION	.0	.0	.0	.0	.3	.0	.0	.3	.3
RP 1.04: ENVIRONMENTAL QUALITY	.0	.0	.0	.0	2.9	.0	.0	2.9	2.9
RP 1.06: FISH & WILDLIFE	.0	.0	.0	.0	.1	.0	.0	.1	.1
RP 2.01: INVENTORY & APPRAISAL OF FOREST RESOURCES	.0	.0	.0	.0	.3	.0	.0	.3	.3
RP 2.02: TIMBER MANAGEMENT	.0	.0	.0	.0	1.2	.0	.0	1.2	1.2
RP 2.03: FOREST PROTECTION	2.4	.0	.0	2.4	.6	.0	.0	.6	3.0
RP 2.04: HARVESTING PROCESSING & MARKETING OF FOREST PRODUCTS	.0	.0	.0	.0	1.3	.0	.0	1.3	1.3
RP 2.05: FOREST WATERSHEDS, SOILS, POLLUTION	.0	.0	.0	.0	.4	.0	.0	.4	.4
RP 2.06: FOREST RANGE WILDLIFE & FISHERIES HABITAT DEVELOPMENT	.0	.0	1.9	1.9	.0	.0	.0	.0	1.9
RP 2.07: FOREST RECREATION & AESTHETICS & CTH LANDSCAPE VALUES	.0	.0	2.8	2.8	.7	.0	.0	.7	3.5
RP 2.08: ALTERNATE USES OF LAND	.0	.0	.0	.0	.3	.0	.0	.3	.3
RP 3.01: CORN	.0	.0	.0	.0	1.8	.0	.0	1.8	1.8
RP 3.09: FORAGE, RANGE, & PASTURE	.0	.0	.0	.0	1.8	.0	.0	1.8	1.8
RP 3.12: NEW CROPS & MINOR OILSEEDS	.0	.0	.0	.0	.1	.0	.0	.1	.1
RP 3.13: FRUIT	.3	.0	.0	.3	7.8	.0	.0	7.8	8.1
RP 3.14: VEGETABLE CROPS	.0	.0	.0	.0	2.8	.0	.0	2.8	2.8
RP 3.15: PLANTS TO ENHANCE THE ENVIRONMENT	.3	.0	.0	.3	2.1	.0	.0	2.1	2.4
RP 4.01: BEEF	.0	.0	.0	.0	.7	.0	.0	.7	.7
RP 4.02: DAIRY	.0	.0	.0	.0	1.8	.0	.0	1.8	1.8
RP 4.03: POULTRY	.0	.0	.0	.0	3.6	.0	.0	3.6	3.6
RP 4.04: SHEEP	.0	.0	.0	.0	.0	.0	.0	.0	.0
RP 4.06: OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	.0	.0	.0	.0	.4	.0	.0	.4	.4
RP 4.07: AQUATIC FOOD & FEEDSTUFFS	.0	.0	.0	.0	.4	.0	.0	.4	.4
RP 5.01: FOOD & NUTRITION	.0	.0	.0	.0	4.1	.0	.0	4.1	4.1
RP 5.02: FOOD SAFETY	.0	.0	.0	.0	2.2	.0	.0	2.2	2.2
RP 5.03: RURAL DEVELOPMENT & QUALITY OF FAMILY LIVING	.0	.0	.0	.0	3.3	.0	.0	3.3	3.3
RP 5.04: INSECTS AFFECTING MAN & HIS BELONGINGS	.0	.0	.0	.0	.3	.0	.0	.3	.3
RP 6.01: FARM ADJUSTMENT, PRICES & INCOME	.0	.0	.0	.0	.2	.0	.0	.2	.2
RP 6.03: MARKETING & COMPETITION	.0	.0	.0	.0	1.0	.0	.0	1.0	1.0
RP 7.01: GENERAL RESOURCE OR TECHNOLOGY	.0	.0	.0	.0	1.5	.0	.0	1.5	1.5
GRAND TOTAL	3.0	.0	4.7	7.7	46.4	.0	.0	46.4	54.1

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978
RESEARCH PROGRAM SUMMARY

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978							REGION 1				
RESEARCH PROGRAM SUMMARY							NEW HAMPSHIRE				
	AR	ESCS	FS	USDA TOTAL	SAES	OTH COOP INSTS	FORESTRY SCHOOLS	CR/SAES TOTAL	TOTAL		
RP 1.01: SOIL & LAND USE	.0	1.0	.0	1.0	.7	.0	.0	.7	1.7		
RP 1.02: WATER & WATERSHEDS	.0	.0	.0	.0	.0	.0	.0	.0	.0		
RP 1.03: RECREATION	.0	.0	.0	.0	.4	.0	.0	.4	.4		
RP 1.04: ENVIRONMENTAL QUALITY	.0	.0	.0	.0	1.1	.0	.0	1.1	1.1		
RP 1.05: WEATHER MODIFICATION FOR AGRICULTURE & FORESTRY	.0	.0	.0	.0	.2	.0	.0	.2	.2		
RP 1.07: REMOTE SENSING	.0	.0	.0	.0	.2	.0	.0	.2	.2		
RP 2.01: INVENTORY & APPRAISAL OF FOREST RESOURCES	.0	.0	.0	.0	.4	.0	.0	.4	.4		
RP 2.02: TIMBER MANAGEMENT	.0	.0	9.0	9.0	3.4	.0	.0	3.4	12.4		
RP 2.03: FOREST PROTECTION	.0	.0	2.0	2.0	.4	.0	.0	.4	2.4		
RP 2.04: HARVESTING PROCESSING & MARKETING OF FOREST PRODUCTS	.0	.0	.0	.0	1.0	.0	.0	1.0	1.0		
RP 2.05: FOREST WATERSHEDS, SOILS, POLLUTION	.0	.0	4.0	4.0	.6	.0	.0	.6	4.6		
RP 2.06: FOREST RANGE WILDLIFE & FISHERIES HABITAT DEVELOPMENT	.0	.0	.0	.0	.8	.0	.0	.8	.8		
RP 2.07: FOREST RECREATION & AESTHETICS & OTH LANDSCAPE VALUES	.0	.0	3.0	3.0	.0	.0	.0	.0	3.0		
RP 2.08: ALTERNATE USES OF LAND	.0	.0	.0	.0	.2	.0	.0	.2	.2		
RP 3.01: CORN	.0	.0	.0	.0	.7	.0	.0	.7	.7		
RP 3.06: SOYBEANS	.0	.0	.0	.0	.3	.0	.0	.3	.3		
RP 3.09: FORAGE, RANGE, & PASTURE	.0	.0	.0	.0	1.1	.0	.0	1.1	1.1		
RP 3.13: FRUIT	.0	.0	.0	.0	.7	.0	.0	.7	.7		
RP 3.14: VEGETABLE CROPS	.0	.0	.0	.0	1.5	.0	.0	1.5	1.5		
RP 3.15: PLANTS TO ENHANCE THE ENVIRONMENT	.0	.0	.0	.0	.4	.0	.0	.4	.4		
RP 4.02: DAIRY	.0	.0	.0	.0	2.3	.0	.0	2.3	2.3		
RP 4.03: POULTRY	.0	.0	.0	.0	2.3	.0	.0	2.3	2.3		
RP 4.06: OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	.0	.0	.0	.0	1.1	.0	.0	1.1	1.1		
RP 4.07: AQUATIC FOOD & FEEDSTUFFS	.0	.0	.0	.0	.2	.0	.0	.2	.2		
RP 5.01: FOOD & NUTRITION	.0	.0	.0	.0	.5	.0	.0	.5	.5		
RP 5.02: FOOD SAFETY	.0	.0	.0	.0	.7	.0	.0	.7	.7		
RP 5.03: RURAL DEVELOPMENT & QUALITY OF FAMILY LIVING	.0	1.0	.0	1.0	1.8	.0	.0	1.8	2.8		
RP 5.04: INSECTS AFFECTING MAN & HIS BELONGINGS	.0	.0	.0	.0	.6	.0	.0	.6	.6		
RP 6.01: FARM ADJUSTMENT, PRICES & INCOME	.0	.5	.0	.5	.2	.0	.0	.2	.7		
RP 6.03: MARKETING & COMPETITION	.0	.4	.0	.4	.7	.0	.0	.7	1.1		
RP 7.01: GENERAL RESOURCE OR TECHNOLOGY	.0	.0	.0	.0	1.8	.0	.0	1.8	1.8		
RP 9.01: UNCLASSIFIED	.0	.0	.0	.0	.3	.0	.0	.3	.3		
GRAND TOTAL	.0	2.9	18.0	20.9	26.8	.0	.0	26.8	47.7		

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978
RESEARCH PROGRAM SUMMARY

	REGION 1								
	NEW JERSEY								
	AR	ESCS	FS	USDA TOTAL	SAES	OTH COOP INSTS	FORESTRY SCHOOLS	CR/SAES TOTAL	TOTAL
RP 1.01: SOIL & LAND USE	.0	.0	.0	.0	5.6	.0	.0	5.6	5.6
RP 1.02: WATER & WATERSHEDS	.0	.0	.0	.0	1.1	.0	.0	1.1	1.1
RP 1.03: RECREATION	.0	.0	.0	.0	.6	.0	.0	.6	.6
RP 1.04: ENVIRONMENTAL QUALITY	.0	.0	.0	.0	16.5	.0	.0	16.5	16.5
RP 1.05: WEATHER MODIFICATION FOR AGRICULTURE & FORESTRY	.0	.0	.0	.0	.7	.0	.0	.7	.7
RP 1.06: FISH & WILDLIFE	.0	.0	.0	.0	.9	.0	.0	.9	.9
RP 2.02: TIMBER MANAGEMENT	.0	.0	.8	.8	.6	.0	.0	.6	1.4
RP 2.03: FOREST PROTECTION	.0	.0	.0	.0	1.3	.0	.0	1.3	1.3
RP 2.04: HARVESTING PROCESSING & MARKETING OF FOREST PRODUCTS	.0	.0	.0	.0	.1	.0	.0	.1	.1
RP 2.05: FOREST WATERSHEDS, SOILS, POLLUTION	.0	.0	2.3	2.3	.6	.0	.0	.6	2.9
RP 2.07: FOREST RECREATION & AESTHETICS & OTH LANDSCAPE VALUES	.0	.0	.0	.0	.7	.0	.0	.7	.7
RP 2.08: ALTERNATE USES OF LAND	.0	.0	.0	.0	1.5	.0	.0	1.5	1.5
RP 3.01: CORN	.0	.0	.0	.0	.3	.0	.0	.3	.3
RP 3.03: WHEAT	.0	.0	.0	.0	.0	.0	.0	.0	.0
RP 3.04: SMALL GRAINS OTHER THAN WHEAT	.0	.0	.0	.0	.1	.0	.0	.1	.1
RP 3.06: SOYBEANS	.0	.0	.0	.0	.4	.0	.0	.4	.4
RP 3.07: PEANUTS	.0	.0	.0	.0	.2	.0	.0	.2	.2
RP 3.09: FORAGE, RANGE, & PASTURE	.0	.0	.0	.0	1.6	.0	.0	1.6	1.6
RP 3.10: COTTON	.0	.0	.0	.0	.1	.0	.0	.1	.1
RP 3.12: NEW CROPS & MINOR OILSEEDS	.0	.0	.0	.0	.5	.0	.0	.5	.5
RP 3.13: FRUIT	4.2	.0	.0	4.2	7.8	.0	.0	7.8	12.0
RP 3.14: VEGETABLE CROPS	.9	.0	.0	.9	7.9	.0	.0	7.9	8.8
RP 3.15: PLANTS TO ENHANCE THE ENVIRONMENT	.0	.0	.0	.0	5.5	.0	.0	5.5	5.5
RP 4.01: BEEF	.0	.0	.0	.0	.3	.0	.0	.3	.3
RP 4.02: DAIRY	.0	.0	.0	.0	2.4	.0	.0	2.4	2.4
RP 4.03: POULTRY	.0	.0	.0	.0	3.3	.0	.0	3.3	3.3
RP 4.04: SHEEP	.0	.0	.0	.0	.3	.0	.0	.3	.3
RP 4.05: SWINE	.0	.0	.0	.0	.4	.0	.0	.4	.4
RP 4.06: OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	.0	.0	.0	.0	.8	.0	.0	.8	.8
RP 4.07: AQUATIC FOOD & FEEDSTUFFS	.0	.0	.0	.0	.5	.0	.0	.5	.5
RP 5.01: FOOD & NUTRITION	.0	.0	.0	.0	6.8	.0	.0	6.8	6.8
RP 5.02: FOOD SAFETY	.0	.0	.0	.0	9.7	.0	.0	9.7	9.7
RP 5.03: RURAL DEVELOPMENT & QUALITY OF FAMILY LIVING	.0	.0	.0	.0	5.2	.0	.0	5.2	5.2
RP 5.04: INSECTS AFFECTING MAN & HIS BELONGINGS	.0	.0	.0	.0	5.0	.0	.0	5.0	5.0
RP 6.01: FARM ADJUSTMENT, PRICES & INCOME	.0	.0	.0	.0	1.1	.0	.0	1.1	1.1
RP 6.03: MARKETING & COMPETITION	.0	.0	.0	.0	2.5	.0	.0	2.5	2.5

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978

RESEARCH PROGRAM SUMMARY

REGION 1

NEW JERSEY

	AR	ESCS	FS	USDA TOTAL	SAES	OTH COOP INSTS	FORESTRY SCHOOLS	CR/SAES TOTAL	TOTAL
RP 7.01: GENERAL RESOURCE OR TECHNOLOGY	.0	.0	.0	.0	9.1	.0	.0	9.1	9.1
RP 9.01: UNCLASSIFIED	.0	.0	.0	.0	.1	.0	.0	.1	.1
GRAND TOTAL	5.1	.0	3.0	8.1	102.0	.0	.0	102.0	110.1

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978
RESEARCH PROGRAM SUMMARY

REGION 1

NEW YORK

	AR	ESCS	FS	USDA TOTAL	NEW YORK ITHACA	NEW YORK GENEVA	FORESTRY SCHOOLS	CR/SAES TOTAL	TOTAL
PP 1.01: SOIL & LAND USE	3.9	.5	.0	4.4	10.9	.4	.0	11.3	15.6
PP 1.02: WATER & WATERSHEDS	.3	1.0	.0	1.3	1.5	.1	.0	1.6	2.9
RP 1.03: RECREATION	.0	.0	.0	.0	.8	.0	.0	.8	.8
RP 1.04: ENVIRONMENTAL QUALITY	.4	.0	.0	.4	13.5	1.4	.0	14.9	15.3
RP 1.05: WEATHER MODIFICATION FOR AGRICULTURE & FORESTRY	.0	.0	.0	.0	2.1	.4	.0	2.5	2.5
RP 1.06: FISH & WILDLIFE	.1	.0	.0	.1	4.9	.0	.0	4.9	5.0
RP 1.07: REMOTE SENSING	.0	.0	.0	.0	.2	.0	.0	.2	.2
PP 2.01: INVENTORY & APPRAISAL OF FOREST RESOURCES	.0	.0	.0	.0	.0	.0	.2	.2	.2
RP 2.02: TIMBER MANAGEMENT	.0	.0	.0	.0	1.7	.0	1.7	3.4	3.4
RP 2.03: FOREST PROTECTION	.0	.0	.0	.0	.1	.0	3.1	3.2	3.2
RP 2.04: HARVESTING PROCESSING & MARKETING OF FOREST PRODUCTS	.0	.0	.0	.0	.2	.0	9.3	9.4	9.4
RP 2.05: FOREST WATERSHEDS, SOILS, POLLUTION	.0	.0	.0	.0	.2	.0	1.2	1.4	1.4
RP 2.06: FOREST RANGE WILDLIFE & FISHERIES HABITAT DEVELOPMENT	.0	.0	.0	.0	.5	.0	2.1	2.6	2.6
RP 2.07: FOREST RECREATION & AESTHETICS & OTH LANDSCAPE VALUES	.0	.0	.0	.0	1.4	.0	.2	1.6	1.6
RP 2.08: ALTERNATE USES OF LAND	.0	.0	1.0	1.0	.2	.0	.5	.7	1.7
RP 2.09: TECHNICAL ASSISTANCE	.0	.0	.0	.0	.0	.0	.1	.1	.1
RP 3.01: CORN	.0	.0	.0	.0	5.9	.0	.0	5.9	5.9
RP 3.03: WHEAT	.0	.0	.0	.0	1.3	.0	.0	1.4	1.4
PP 3.04: SMALL GRAINS OTHER THAN WHEAT	.0	.0	.0	.0	1.2	.1	.0	1.3	1.3
PP 3.05: RICE	.0	.0	.0	.0	.7	.0	.0	.7	.7
RP 3.06: SOYBEANS	3.0	.0	.0	3.0	.4	.1	.0	.5	3.5
RP 3.09: FORAGE, RANGE, & PASTURE	3.9	.0	.0	3.9	7.3	.3	.0	7.6	11.5
RP 3.11: TOBACCO	1.3	.0	.0	1.3	.0	.0	.0	.0	1.3
PP 3.12: NEW CROPS & MINOR OILSEEDS	.0	.0	.0	.0	.1	.5	.0	.6	.6
RP 3.13: FRUIT	.2	.0	.0	.2	6.9	36.1	.0	43.1	43.2
RP 3.14: VEGETABLE CROPS	1.7	.0	.0	1.7	19.9	22.3	.0	42.1	43.9
RP 3.15: PLANTS TO ENHANCE THE ENVIRONMENT	.2	.0	.0	.2	5.3	1.2	.0	6.5	6.7
RP 3.16: BEES & OTHER POLLINATING INSECTS	.0	.0	.0	.0	.5	.0	.0	.5	.5
RP 4.01: BEEF	14.8	.0	.0	14.8	2.5	.0	.0	2.5	17.3
RP 4.02: DAIRY	9.6	.0	.0	9.6	24.7	.0	.0	24.7	34.3
RP 4.03: POULTRY	2.9	.0	.0	2.9	10.4	.0	.0	10.4	13.3
RP 4.04: SHEEP	3.4	.0	.0	3.4	.8	.0	.0	.8	4.2
RP 4.05: SWINE	8.4	.0	.0	8.4	3.4	.0	.0	3.4	11.7
RP 4.06: OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	.7	.0	.0	.7	4.3	.0	.0	4.3	5.0
RP 4.07: AQUATIC FOOD & FEEDSTUFFS	.0	.0	.0	.0	3.3	.4	.0	3.7	3.7
RP 5.01: FOOD & NUTRITION	1.2	.0	.0	1.2	7.0	1.2	.0	8.1	9.3

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978
RESEARCH PROGRAM SUMMARY

TABLE V-B		STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978					REGION 1			
RESEARCH PROGRAM SUMMARY		NEW YORK								
		AR	ESCS	FS	USDA TOTAL	NEW YORK ITHACA	NEW YORK GENEVA	FORESTRY SCHOOLS	CR/SAES TOTAL	TOTAL
RP 5.02:	FOOD SAFETY	.0	.0	.0	.0	5.2	4.5	.0	9.7	9.7
RP 5.03:	RURAL DEVELOPMENT & QUALITY OF FAMILY LIVING	1.5	1.0	.0	2.5	40.6	.0	.0	40.6	43.1
RP 5.04:	INSECTS AFFECTING MAN & HIS BELONGINGS	.0	.0	.0	.0	3.3	.0	.0	3.3	3.3
RP 6.01:	FARM ADJUSTMENT, PRICES & INCOME	.9	.0	.0	.9	7.0	.0	.0	7.0	7.9
RP 6.02:	FOREIGN AGRICULTURAL TRADE & ECONOMIC DEVELOPMENT	.0	.0	.0	.0	3.0	.0	.0	3.0	3.0
RP 6.03:	MARKETING & COMPETITION	.0	.0	.0	.0	6.0	.0	.0	6.0	6.0
RP 7.01:	GENERAL RESOURCE OR TECHNOLOGY	4.9	.0	.0	4.9	42.6	5.9	3.2	51.7	56.5
RP 9.01:	UNCLASSIFIED	.0	.0	.0	.0	17.1	.0	12.2	29.3	29.3
GRAND TOTAL		63.3	2.5	1.0	66.8	268.6	74.9	33.7	377.2	444.0

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978
RESEARCH PROGRAM SUMMARY

REGION 1									
PENNSYLVANIA									
	AR	ESCS	FS	USDA TOTAL	SAES	OTH COOP INSTS	FORESTRY SCHOOLS	CR/SAES TOTAL	TOTAL
RP 1.01: SOIL & LAND USE	.7	.8	.0	1.5	2.8	.0	.0	2.8	4.3
RP 1.02: WATER & WATERSHEDS	6.7	.2	.0	6.9	.1	.0	.0	.1	7.0
RP 1.04: ENVIRONMENTAL QUALITY	14.2	2.0	.0	16.2	5.3	.0	.0	5.3	21.5
RP 1.06: FISH & WILDLIFE	.0	.0	.0	.0	2.1	.0	.0	2.1	2.1
RP 1.07: REMOTE SENSING	.0	.0	.0	.0	.1	.0	.0	.1	.1
RP 2.01: INVENTORY & APPRAISAL OF FOREST RESOURCES	.0	.0	9.1	9.1	.5	.0	.0	.5	9.6
RP 2.02: TIMBER MANAGEMENT	.0	.0	4.9	4.9	2.6	.0	.0	2.6	7.5
RP 2.03: FOREST PROTECTION	.0	.0	2.0	2.0	1.4	.0	.0	1.4	3.4
RP 2.04: HARVESTING PROCESSING & MARKETING OF FOREST PRODUCTS	.0	.0	2.6	2.6	2.0	.0	.0	2.0	4.6
RP 2.05: FOREST WATERSHEDS, SOILS, POLLUTION	.0	.0	.0	.0	3.1	.0	.0	3.1	3.1
RP 2.06: FOREST RANGE WILDLIFE & FISHERIES HABITAT DEVELOPMENT	.0	.0	.0	.0	1.1	.0	.0	1.1	1.1
RP 2.07: FOREST RECREATION & AESTHETICS & OTH LANDSCAPE VALUES	.0	.0	.0	.0	1.5	.0	.0	1.5	1.5
RP 2.08: ALTERNATE USES OF LAND	.0	.0	.0	.0	.3	.0	.0	.3	.3
RP 3.01: CORN	.0	.0	.0	.0	5.0	.0	.0	5.0	5.0
RP 3.03: WHEAT	.0	.0	.0	.0	1.0	.0	.0	1.0	1.0
RP 3.04: SMALL GRAINS OTHER THAN WHEAT	1.3	.0	.0	1.3	.5	.0	.0	.5	1.8
RP 3.09: FORAGE, RANGE, & PASTURE	11.3	.0	.0	11.3	10.1	.0	.0	10.1	21.4
RP 3.11: TOBACCO	.0	.0	.0	.0	.5	.0	.0	.5	.5
RP 3.12: NEW CROPS & MINOR OILSEEDS	2.3	.0	.0	2.3	.0	.0	.0	.0	2.3
RP 3.13: FRUIT	3.0	.0	.0	3.0	12.4	.0	.0	12.4	15.4
RP 3.14: VEGETABLE CROPS	10.2	.0	.0	10.2	7.9	.0	.0	7.9	18.1
RP 3.15: PLANTS TO ENHANCE THE ENVIRONMENT	.0	.0	.0	.0	5.6	.0	.0	5.6	5.6
RP 3.16: BEES & OTHER POLLINATING INSECTS	2.6	.0	.0	2.6	1.0	.0	.0	1.0	3.6
RP 4.01: BEEF	66.6	.0	.0	66.6	4.2	.0	.0	4.2	70.7
RP 4.02: DAIRY	2.6	.0	.0	2.6	7.6	.0	.0	7.6	10.2
RP 4.03: POULTRY	.0	.0	.0	.0	9.4	.0	.0	9.4	9.4
RP 4.04: SHEEP	.5	.0	.0	.5	1.0	.0	.0	1.0	1.5
RP 4.05: SWINE	1.7	.0	.0	1.7	2.1	.0	.0	2.1	3.9
RP 4.06: OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	.0	.0	.0	.0	1.6	.0	.0	1.6	1.6
RP 5.01: FOOD & NUTRITION	43.4	.0	.0	43.4	2.5	.0	.0	2.5	45.9
RP 5.02: FOOD SAFETY	27.4	.0	.0	27.4	2.0	.0	.0	2.0	29.4
RP 5.03: RURAL DEVELOPMENT & QUALITY OF FAMILY LIVING	.0	1.2	.0	1.2	12.3	.0	.0	12.3	13.5
RP 5.04: INSECTS AFFECTING MAN & HIS BELONGINGS	.0	.0	.0	.0	.0	.0	.0	.0	.0
RP 6.01: FARM ADJUSTMENT, PRICES & INCOME	.0	.3	.0	.3	4.0	.0	.0	4.0	4.3
RP 6.02: FOREIGN AGRICULTURAL TRADE & ECONOMIC DEVELOPMENT	.0	.0	.0	.0	4.6	.0	.0	4.6	4.6
RP 6.03: MARKETING & COMPETITION	.7	.7	.0	1.4	7.9	.0	.0	7.9	9.3

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978
RESEARCH PROGRAM SUMMARY

	REGION 1								
	PENNSYLVANIA								
	AR	ESCS	FS	USDA TOTAL	SAES	OTH COOP INSTS	FORESTRY SCHOOLS	CR/SAES TOTAL	TOTAL
RP 7.01: GENERAL RESOURCE OR TECHNOLOGY	2.3	.0	.0	2.3	11.1	.0	.0	11.1	13.4
RP 9.01: UNCLASSIFIED	.0	.0	.0	.0	.3	.0	.0	.3	.3
GRAND TOTAL	197.3	5.2	18.5	221.1	137.4	.0	.0	137.4	358.5

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978
RESEARCH PROGRAM SUMMARY

REGION 1
RHODE ISLAND

	AR	ESCS	FS	USDA TOTAL	SAES	OTH COOP INSTS	FORESTRY SCHOOLS	CR/SAES TOTAL	TOTAL
RP 1.01: SOIL & LAND USE	.0	.0	.0	.0	1.4	.0	.0	1.4	1.4
RP 1.02: WATER & WATERSHEDS	.0	.0	.0	.0	.2	.0	.0	.2	.2
RP 1.03: RECREATION	.0	.0	.0	.0	1.7	.0	.0	1.7	1.7
RP 1.04: ENVIRONMENTAL QUALITY	.0	.0	.0	.0	4.7	.0	.0	4.7	4.7
RP 1.05: WEATHER MODIFICATION FOR AGRICULTURE & FORESTRY	.0	.0	.0	.0	.1	.0	.0	.1	.1
RP 1.06: FISH & WILDLIFE	.0	.0	.0	.0	1.8	.0	.0	1.8	1.8
RP 2.02: TIMBER MANAGEMENT	.0	.0	.0	.0	1.0	.0	.0	1.0	1.0
RP 2.05: FOREST WATERSHEDS, SOILS, POLLUTION	.0	.0	.0	.0	.2	.0	.0	.2	.2
RP 2.06: FOREST RANGE WILDLIFE & FISHERIES HABITAT DEVELOPMENT	.0	.0	.0	.0	.3	.0	.0	.3	.3
RP 2.07: FOREST RECREATION & AESTHETICS & OTH LANDSCAPE VALUES	.0	.0	.0	.0	.0	.0	.0	.0	.0
RP 2.08: ALTERNATE USES OF LAND	.0	.0	.0	.0	.6	.0	.0	.6	.6
RP 3.09: FORAGE, RANGE, & PASTURE	.0	.0	.0	.0	.2	.0	.0	.2	.2
RP 3.13: FRUIT	.0	.0	.0	.0	.4	.0	.0	.4	.4
RP 3.14: VEGETABLE CROPS	.0	.0	.0	.0	1.5	.0	.0	1.5	1.5
RP 3.15: PLANTS TO ENHANCE THE ENVIRONMENT	.0	.0	.0	.0	9.8	.0	.0	9.8	9.8
RP 4.02: DAIRY	.0	.0	.0	.0	.3	.0	.0	.3	.3
RP 4.03: POULTRY	.0	.0	.0	.0	1.9	.0	.0	1.9	1.9
RP 4.06: OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	.0	.0	.0	.0	.0	.0	.0	.0	.0
RP 4.07: AQUATIC FOOD & FEEDSTUFFS	.0	.0	.0	.0	5.2	.0	.0	5.2	5.2
RP 5.01: FOOD & NUTRITION	.0	.0	.0	.0	5.2	.0	.0	5.2	5.2
RP 5.02: FOOD SAFETY	.0	.0	.0	.0	.0	.0	.0	.0	.0
RP 5.03: RURAL DEVELOPMENT & QUALITY OF FAMILY LIVING	.0	.0	.0	.0	1.4	.0	.0	1.4	1.4
RP 6.01: FARM ADJUSTMENT, PRICES & INCOME	.0	.0	.0	.0	.0	.0	.0	.0	.0
RP 6.03: MARKETING & COMPETITION	.0	.0	.0	.0	.2	.0	.0	.2	.2
RP 7.01: GENERAL RESOURCE OR TECHNOLOGY	.0	.0	.0	.0	.4	.0	.0	.4	.4
RP 9.01: UNCLASSIFIED	.0	.0	.0	.0	.0	.0	.0	.0	.0
GRAND TOTAL	.0	.0	.0	.0	38.4	.0	.0	38.4	38.4

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978
RESEARCH PROGRAM SUMMARY

REGION 1

VERMONT

	AR	ESCS	FS	USDA TOTAL	SAES	OTH COOP INSTS	FORESTRY SCHOOLS	CR/SAES TOTAL	TOTAL
RP 1.01: SOIL & LAND USE	.0	.0	.0	.0	2.3	.0	.0	2.3	2.3
RP 1.02: WATER & WATERSHEDS	.0	.0	.0	.0	.3	.0	.0	.3	.3
RP 1.03: RECREATION	.0	.0	.0	.0	.8	.0	.0	.8	.8
RP 1.04: ENVIRONMENTAL QUALITY	.0	.0	.0	.0	1.8	.0	.0	1.8	1.8
RP 1.05: WEATHER MODIFICATION FOR AGRICULTURE & FORESTRY	.0	.0	.0	.0	.1	.0	.0	.1	.1
RP 2.01: INVENTORY & APPRAISAL OF FOREST RESOURCES	.0	.0	.0	.0	.0	.0	.2	.2	.2
RP 2.02: TIMBER MANAGEMENT	.0	.0	5.0	5.0	.2	.0	1.1	1.3	6.3
RP 2.03: FOREST PROTECTION	.0	.0	.0	.0	.5	.0	.0	.5	.5
RP 2.04: HARVESTING PROCESSING & MARKETING OF FOREST PRODUCTS	.0	.0	3.8	3.8	1.6	.0	.0	1.6	5.4
RP 2.06: FOREST RANGE WILDLIFE & FISHERIES HABITAT DEVELOPMENT	.0	.0	.0	.0	.0	.0	.7	.7	.7
RP 2.07: FOREST RECREATION & AESTHETICS & OTH LANDSCAPE VALUES	.0	.0	.0	.0	.0	.0	1.9	1.9	1.9
RP 3.01: CORN	.0	.0	.0	.0	.0	.0	.0	.0	.0
RP 3.03: WHEAT	.0	.0	.0	.0	.4	.0	.0	.4	.4
RP 3.09: FORAGE, RANGE, & PASTURE	.0	.0	.0	.0	.9	.0	.0	.9	.9
RP 3.13: FRUIT	.0	.0	.0	.0	2.2	.0	.0	2.2	2.2
RP 3.14: VEGETABLE CROPS	.0	.0	.0	.0	.2	.0	.0	.2	.2
RP 3.15: PLANTS TO ENHANCE THE ENVIRONMENT	.0	.0	.0	.0	1.5	.0	.0	1.5	1.5
RP 4.01: BEEF	.0	.0	.0	.0	.0	.0	.0	.0	.0
RP 4.02: DAIRY	.0	.0	.0	.0	3.6	.0	.0	3.6	3.6
RP 4.03: POULTRY	.0	.0	.0	.0	1.5	.0	.0	1.5	1.5
RP 4.04: SHEEP	.0	.0	.0	.0	.1	.0	.0	.1	.1
RP 4.06: OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	.0	.0	.0	.0	.1	.0	.0	.1	.1
RP 5.01: FOOD & NUTRITION	.0	.0	.0	.0	1.9	.0	.0	1.9	1.9
RP 5.02: FOOD SAFETY	.0	.0	.0	.0	.0	.0	.0	.0	.0
RP 5.03: RURAL DEVELOPMENT & QUALITY OF FAMILY LIVING	.0	.0	.0	.0	1.3	.0	.4	1.7	1.7
RP 6.01: FARM ADJUSTMENT, PRICES & INCOME	.0	.0	.0	.0	1.0	.0	.0	1.0	1.0
RP 6.03: MARKETING & COMPETITION	.0	.0	.0	.0	1.4	.0	.0	1.4	1.4
RP 7.01: GENERAL RESOURCE OR TECHNOLOGY	.0	.0	.0	.0	3.8	.0	.0	3.8	3.8
RP 9.01: UNCLASSIFIED	.0	.0	.0	.0	.0	.0	.0	.0	.0
GRAND TOTAL	.0	.0	8.8	8.8	27.4	.0	4.2	31.6	40.4

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978
RESEARCH PROGRAM SUMMARY

REGION 1

WEST VIRGINIA

	AR	ESCS	FS	USDA TOTAL	SAES	OTH COOP INSTS	FORESTRY SCHOOLS	CR/SAES TOTAL	TOTAL
RP 1.01: SOIL & LAND USE	5.1	.5	.0	5.6	1.6	.0	.0	1.6	7.1
RP 1.02: WATER & WATERSHEDS	2.8	.5	.0	3.3	.2	.0	.0	.2	3.6
RP 1.03: RECREATION	.0	.0	.0	.0	.9	.0	.0	.9	.9
RP 1.04: ENVIRONMENTAL QUALITY	.0	.0	.0	.0	2.0	.0	.0	2.0	2.0
RP 1.05: WEATHER MODIFICATION FOR AGRICULTURE & FORESTRY	.0	.0	.0	.0	.4	.0	.0	.4	.4
RP 1.06: FISH & WILDLIFE	.0	.0	.0	.0	.9	.0	.0	.9	.9
RP 2.01: INVENTORY & APPRAISAL OF FOREST RESOURCES	.0	.0	.0	.0	1.5	.0	.0	1.5	1.5
RP 2.02: TIMBER MANAGEMENT	.0	.0	3.5	3.5	1.7	.0	.0	1.7	5.2
RP 2.03: FOREST PROTECTION	.0	.0	.0	.0	.7	.0	.0	.7	.7
RP 2.04: HARVESTING PROCESSING & MARKETING OF FOREST PRODUCTS	.0	.0	23.5	23.5	1.2	.0	.0	1.2	24.7
RP 2.05: FOREST WATERSHEDS, SOILS, POLLUTION	.0	.0	2.6	2.6	.0	.0	.0	.0	2.6
RP 2.06: FOREST RANGE WILDLIFE & FISHERIES HABITAT DEVELOPMENT	.0	.0	2.8	2.8	.5	.0	.0	.5	3.3
RP 2.07: FOREST RECREATION & AESTHETICS & OTH LANDSCAPE VALUES	.0	.0	.0	.0	1.0	.0	.0	1.0	1.0
RP 2.08: ALTERNATE USES OF LAND	.0	.0	.0	.0	.7	.0	.0	.7	.7
RP 3.01: CORN	.0	.0	.0	.0	.8	.0	.0	.8	.8
RP 3.03: WHEAT	.0	.0	.0	.0	.1	.0	.0	.1	.1
RP 3.04: SMALL GRAINS OTHER THAN WHEAT	.0	.0	.0	.0	.1	.0	.0	.1	.1
RP 3.09: FORAGE, RANGE, & PASTURE	.0	.0	.0	.0	2.4	.0	.0	2.4	2.4
RP 3.13: FRUIT	.0	.0	.0	.0	4.9	.0	.0	4.9	4.9
RP 3.14: VEGETABLE CROPS	.0	.0	.0	.0	2.3	.0	.0	2.3	2.3
RP 3.15: PLANTS TO ENHANCE THE ENVIRONMENT	.0	.0	.0	.0	1.1	.0	.0	1.1	1.1
RP 4.01: BEEF	.0	.0	.0	.0	3.1	.0	.0	3.1	3.1
RP 4.02: DAIRY	.0	.0	.0	.0	.8	.0	.0	.8	.8
RP 4.03: POULTRY	.0	.0	.0	.0	2.5	.0	.0	2.5	2.5
RP 4.04: SHEEP	.0	.0	.0	.0	1.6	.0	.0	1.6	1.6
RP 4.06: OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	.0	.0	.0	.0	.5	.0	.0	.5	.5
RP 5.03: RURAL DEVELOPMENT & QUALITY OF FAMILY LIVING	.0	.0	.0	.0	1.5	.0	.0	1.5	1.5
RP 5.04: INSECTS AFFECTING MAN & HIS BELONGINGS	.0	.0	.0	.0	.1	.0	.0	.1	.1
RP 6.01: FARM ADJUSTMENT, PRICES & INCOME	.0	.0	.0	.0	1.0	.0	.0	1.0	1.0
RP 6.03: MARKETING & COMPETITION	.0	.0	.0	.0	2.4	.0	.0	2.4	2.4
RP 7.01: GENERAL RESOURCE OR TECHNOLOGY	.0	.0	.0	.0	.8	.0	.0	.8	.8
RP 9.01: UNCLASSIFIED	.0	.0	.0	.0	.3	.0	.0	.3	.3
GRAND TOTAL	7.9	1.0	32.4	41.3	39.6	.0	.0	39.6	80.9

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978
RESEARCH PROGRAM SUMMARY

	REGION 2								
	ALABAMA								
	AR	ESCS	FS	USDA TOTAL	SAES	ALABAMA TUSKEGEE	ALABAMA MORRIS	CR/SAES TOTAL	TOTAL
RP 1.01: SOIL & LAND USE	7.8	.0	.0	7.8	4.8	.0	.0	4.8	12.6
RP 1.02: WATER & WATERSHEDS	1.2	.0	.0	1.2	1.1	.0	.0	1.1	2.3
RP 1.03: RECREATION	.0	.0	.0	.0	.7	.0	.0	.7	.7
RP 1.04: ENVIRONMENTAL QUALITY	.0	.0	.0	.0	3.6	.0	.0	3.6	3.6
RP 1.06: FISH & WILDLIFE	.0	.0	.0	.0	5.6	.0	.0	5.6	5.6
RP 1.07: REMOTE SENSING	.0	.0	.0	.0	.4	.0	.0	.4	.4
RP 2.01: INVENTORY & APPRAISAL OF FOREST RESOURCES	.0	.0	.0	.0	1.7	.0	.0	1.7	1.7
RP 2.02: TIMBER MANAGEMENT	.0	.0	3.0	3.0	3.0	.0	.9	3.9	6.9
RP 2.03: FOREST PROTECTION	.0	.0	.0	.0	4.4	.0	.0	4.4	4.4
RP 2.04: HARVESTING PROCESSING & MARKETING OF FOREST PRODUCTS	.0	.0	3.0	3.0	2.9	.0	.0	2.9	5.9
RP 2.05: FOREST WATERSHEDS, SOILS, POLLUTION	.0	.0	.0	.0	.0	.0	.0	.0	.0
RP 2.06: FOREST RANGE WILDLIFE & FISHERIES HABITAT DEVELOPMENT	.0	.0	.0	.0	1.2	.0	.0	1.2	1.2
RP 2.07: FOREST RECREATION & AESTHETICS & OTH LANDSCAPE VALUES	.0	.0	.0	.0	.1	.0	.0	.1	.1
RP 2.08: ALTERNATE USES OF LAND	.0	.0	.0	.0	.6	.0	.0	.6	.6
RP 3.01: CORN	.1	.0	.0	.1	2.2	.0	.0	2.2	2.3
RP 3.02: GRAIN SORGHUM	.0	.0	.0	.0	.4	.0	.0	.4	.4
RP 3.03: WHEAT	.0	.0	.0	.0	.4	.0	.0	.4	.4
RP 3.04: SMALL GRAINS OTHER THAN WHEAT	.1	.0	.0	.1	.5	.0	5.0	5.6	5.6
RP 3.06: SOYBEANS	.0	.0	.0	.0	9.1	.0	.0	9.1	9.1
RP 3.07: PEANUTS	.0	.0	.0	.0	3.2	.0	.0	3.2	3.2
RP 3.09: FORAGE, RANGE, & PASTURE	.1	.0	.0	.1	10.8	.0	.2	11.0	11.0
RP 3.10: COTTON	2.2	.0	.0	2.2	4.8	.0	.0	4.8	6.9
RP 3.13: FRUIT	.0	.0	.0	.0	5.7	.4	.0	6.1	6.1
RP 3.14: VEGETABLE CROPS	.0	.0	.0	.0	7.2	1.7	.0	8.9	8.9
RP 3.15: PLANTS TO ENHANCE THE ENVIRONMENT	.0	.0	.0	.0	4.5	.0	.0	4.5	4.5
RP 4.01: BEEF	1.9	.0	.0	1.9	12.4	.5	.7	13.5	15.5
RP 4.02: DAIRY	1.5	.0	.0	1.5	5.5	.2	.1	5.8	7.2
RP 4.03: POULTRY	.0	.0	.0	.0	6.1	1.1	.3	9.5	9.5
RP 4.04: SHEEP	.0	.0	.0	.0	.0	.0	.0	.0	.0
RP 4.05: SWINE	.0	.0	.0	.0	4.4	.9	.0	5.3	5.3
RP 4.06: OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	.0	.0	.0	.0	.2	.6	1.0	1.8	1.8
RP 4.07: AQUATIC FOOD & FEEDSTUFFS	.0	.0	.0	.0	12.3	.0	.0	12.3	12.3
RP 5.01: FOOD & NUTRITION	.5	.0	.0	.5	1.8	1.4	.0	3.2	3.7
RP 5.02: FOOD SAFETY	.0	.0	.0	.0	1.5	.0	.0	1.5	1.5
RP 5.03: RURAL DEVELOPMENT & QUALITY OF FAMILY LIVING	.5	.0	.0	.5	4.6	1.1	.4	6.1	6.6
RP 5.04: INSECTS AFFECTING MAN & HIS BELONGINGS	.9	.0	.0	.9	.0	.0	.0	.0	.9

TABLE V-8 STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978
RESEARCH PROGRAM SUMMARY

	REGION 2								
	ALABAMA								
	AR	ESCS	FS	USDA TOTAL	SAES	ALABAMA TUSKEGEE	ALABAMA NORHAL	CR/SAES TOTAL	TOTAL
RP 5.05: RESEARCH ON ADMINISTRATION OF RESEARCH	.0	.0	.0	.0	.0	.0	.0	.0	.0
RP 6.01: FARM ADJUSTMENT, PRICES & INCOME	1.2	.0	.0	1.2	1.9	.0	.0	1.9	3.1
RP 6.03: MARKETING & COMPETITION	.0	.0	.0	.0	3.4	.0	.0	3.4	3.4
RP 7.01: GENERAL RESOURCE OR TECHNOLOGY	3.1	.0	.0	3.1	6.4	.0	.2	6.7	9.8
RP 9.01: UNCLASSIFIED	.0	.0	.0	.0	.5	.0	.0	.5	.5
GRAND TOTAL	20.9	.0	6.0	26.9	141.8	7.8	8.8	158.4	185.3

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978
RESEARCH PROGRAM SUMMARY

REGION 2
ARKANSAS

	AR	ESCS	FS	USDA TOTAL	SAES	OTH COOP INITS	FORESTRY SCHOOLS	CR/SAES TOTAL	TOTAL
RP 1.01: SOIL & LAND USE	.0	1.0	.0	1.0	4.7	.0	.0	4.7	5.7
RP 1.02: WATER & WATERSHEDS	.0	.0	.0	.0	1.8	.0	.0	1.8	1.8
RP 1.03: RECREATION	.0	.0	.0	.0	.1	.0	.0	.1	.1
RP 1.04: ENVIRONMENTAL QUALITY	.0	.0	.0	.0	5.1	.1	.0	5.2	5.2
RP 1.05: WEATHER MODIFICATION FOR AGRICULTURE & FORESTRY	.0	.0	.0	.0	.0	.0	.0	.0	.0
RP 1.06: FISH & WILDLIFE	.0	.0	.0	.0	.0	1.0	.0	1.0	1.0
RP 2.01: INVENTORY & APPRAISAL OF FOREST RESOURCES	.0	.0	.0	.0	.2	.0	.0	.2	.2
RP 2.02: TIMBER MANAGEMENT	.0	.0	2.3	2.3	2.2	.0	.0	2.2	4.5
RP 2.03: FOREST PROTECTION	.0	.0	.0	.0	3.8	.0	.0	3.8	3.8
RP 2.04: HARVESTING PROCESSING & MARKETING OF FOREST PRODUCTS	.0	.0	.0	.0	.5	.0	.0	.5	.5
RP 2.05: FOREST WATERSHEDS, SOILS, POLLUTION	.0	.0	1.2	1.2	.6	.0	.0	.6	1.7
RP 2.06: FOREST RANGE WILDLIFE & FISHERIES HABITAT DEVELOPMENT	.0	.0	.0	.0	1.1	.0	.0	1.1	1.1
RP 2.07: FOREST RECREATION & AESTHETICS & OTH LANDSCAPE VALUES	.0	.0	.0	.0	.0	.0	.0	.0	.0
RP 2.08: ALTERNATE USES OF LAND	.0	.0	.0	.0	.3	.0	.0	.3	.3
RP 3.01: CORN	.0	.0	.0	.0	.7	.0	.0	.7	.7
RP 3.02: GRAIN SORGHUM	.0	.0	.0	.0	1.0	.0	.0	1.0	1.0
RP 3.03: WHEAT	.0	.0	.0	.0	1.1	.5	.0	1.6	1.6
RP 3.04: SMALL GRAINS OTHER THAN WHEAT	.0	.0	.0	.0	.5	.0	.0	.5	.5
RP 3.05: RICE	2.0	.0	.0	2.0	4.5	.0	.0	4.5	6.5
RP 3.06: SOYBEANS	.0	.0	.0	.0	10.5	.8	.0	11.3	11.3
RP 3.09: FORAGE, RANGE, & PASTURE	.0	.0	.0	.0	2.3	.0	.0	2.3	2.3
RP 3.10: COTTON	.0	.0	.0	.0	8.4	.9	.0	9.3	9.3
RP 3.12: NEW CROPS & MINOR OILSEEDS	.0	.0	.0	.0	.4	.0	.0	.4	.4
RP 3.13: FRUIT	.0	.0	.0	.0	4.0	.0	.0	4.0	4.0
RP 3.14: VEGETABLE CROPS	.0	.0	.0	.0	9.0	.5	.0	9.5	9.5
RP 3.15: PLANTS TO ENHANCE THE ENVIRONMENT	.0	.0	.0	.0	2.4	.0	.0	2.4	2.4
RP 4.01: BEEF	.0	.0	.0	.0	4.9	.0	.0	4.9	4.9
RP 4.02: DAIRY	.0	.0	.0	.0	4.1	.0	.0	4.1	4.1
RP 4.03: POULTRY	.0	.0	.0	.0	7.8	1.1	.0	8.9	8.9
RP 4.04: SHEEP	.0	.0	.0	.0	1.2	.0	.0	1.2	1.2
RP 4.05: SWINE	.0	.0	.0	.0	1.8	.0	.0	1.8	1.8
RP 4.06: OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	.0	.0	.0	.0	1.0	.0	.0	1.0	1.0
RP 4.07: AQUATIC FOOD & FEEDSTUFFS	.0	.0	.0	.0	.2	.9	.0	1.0	1.0
RP 5.01: FOOD & NUTRITION	.0	.0	.0	.0	2.3	.8	.0	3.1	3.1
RP 5.02: FOOD SAFETY	.0	.0	.0	.0	.0	.0	.0	.0	.0
RP 5.03: RURAL DEVELOPMENT & QUALITY OF FAMILY LIVING	.0	.0	.0	.0	3.9	3.8	.0	7.7	7.7

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978
RESEARCH PROGRAM SUMMARY

REGION 2

ARKANSAS

	AR	ESCS	FS	USDA TOTAL	SAES	OTH COOP INSIS	FORESTRY SCHOOLS	CR/SAES TOTAL	TOTAL
RP 5.04: INSECTS AFFECTING MAN & HIS BELONGINGS	.0	.0	.0	.0	.9	.0	.0	.9	.9
RP 6.01: FARM ADJUSTMENT, PRICES & INCOME	.0	.0	.0	.0	1.8	.0	.0	1.8	1.8
RP 6.02: FOREIGN AGRICULTURAL TRADE & ECONOMIC DEVELOPMENT	.0	.0	.0	.0	.1	.0	.0	.1	.1
RP 6.03: MARKETING & COMPETITION	.0	.3	.0	.3	2.9	.0	.0	2.9	3.2
RP 7.01: GENERAL RESOURCE OR TECHNOLOGY	.0	.0	.0	.0	4.1	.0	.0	4.1	4.1
GRAND TOTAL	2.0	1.3	3.5	6.8	102.2	10.3	.0	112.5	119.3

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978
RESEARCH PROGRAM SUMMARY

REGION 2

FLORIDA

	AR	ESCS	FS	USDA TOTAL	SAES	OTH COOP INSTS	FORESTRY SCHOOLS	CR/SAES TOTAL	TOTAL
RP 1.01: SOIL & LAND USE	.9	.0	.0	.9	17.3	1.3	.0	18.6	19.4
RP 1.02: WATER & WATERSHEDS	3.9	.0	.0	3.9	5.3	.5	.0	9.8	13.7
RP 1.04: ENVIRONMENTAL QUALITY	.1	.0	.0	.1	22.2	5.2	.0	27.4	27.5
RP 1.05: WEATHER MODIFICATION FOR AGRICULTURE & FORESTRY	.0	.0	.0	.0	.6	.0	.0	.6	.6
RP 1.06: FISH & WILDLIFE	.0	.0	.0	.0	2.6	.1	.0	2.7	2.7
RP 1.07: REMOTE SENSING	.0	.0	.0	.0	.0	.0	.0	.0	.0
RP 2.01: INVENTORY & APPRAISAL OF FOREST RESOURCES	.0	.0	.0	.0	.0	.0	.0	.0	.0
RP 2.02: TIMBER MANAGEMENT	.0	.0	10.0	10.0	3.5	.0	.0	3.5	13.5
RP 2.03: FOREST PROTECTION	.0	.0	2.0	2.0	5.0	.0	.0	5.0	7.0
RP 2.04: HARVESTING PROCESSING & MARKETING OF FOREST PRODUCTS	.0	.0	.0	.0	1.5	.0	.0	1.5	1.5
RP 2.05: FOREST WATERSHEDS, SOILS, POLLUTION	.0	.0	.8	.8	2.5	.0	.0	2.5	3.3
RP 2.06: FOREST RANGE WILDLIFE & FISHERIES HABITAT DEVELOPMENT	.0	.0	.0	.0	1.0	.0	.0	1.0	1.0
RP 2.08: ALTERNATE USES OF LAND	.0	.0	.0	.0	1.1	.0	.0	1.1	1.1
RP 2.09: TECHNICAL ASSISTANCE	.0	.0	.0	.0	.4	.0	.0	.4	.4
RP 3.01: CORN	1.8	.0	.0	1.8	6.3	.0	.0	6.3	8.0
RP 3.02: GRAIN SORGHUM	.3	.0	.0	.3	1.1	.0	.0	1.1	1.4
RP 3.03: WHEAT	1.5	.0	.0	1.5	.6	.0	.0	.6	2.1
RP 3.04: SMALL GRAINS OTHER THAN WHEAT	.7	.0	.0	.7	1.6	.0	.0	1.6	2.3
RP 3.05: RICE	.8	.0	.0	.8	.0	.0	.0	.0	.8
RP 3.06: SOYBEANS	1.7	.0	.0	1.7	9.7	.0	.0	9.7	11.4
RP 3.07: PEANUTS	1.1	.0	.0	1.1	4.6	3.0	.0	7.6	8.6
RP 3.08: SUGAR	7.3	.0	.0	7.3	2.0	.0	.0	2.0	9.3
RP 3.09: FORAGE, RANGE, & PASTURE	1.9	.0	.0	1.9	25.8	.0	.0	25.8	27.7
RP 3.10: COTTON	.0	.0	.0	.0	.1	.0	.0	.1	.1
RP 3.11: TOBACCO	.6	.0	.0	.6	2.0	.0	.0	2.0	2.6
RP 3.12: NEW CROPS & MINOR OILSEEDS	.1	.0	.0	.1	.5	.0	.0	.5	.6
RP 3.13: FRUIT	41.9	.0	.0	41.9	63.4	.0	.0	63.4	105.3
RP 3.14: VEGETABLE CROPS	1.7	.0	.0	1.7	51.6	.0	.0	51.6	53.3
RP 3.15: PLANTS TO ENHANCE THE ENVIRONMENT	2.0	.0	.0	2.0	29.1	.0	.0	29.1	31.1
RP 3.16: BEES & OTHER POLLINATING INSECTS	.0	.0	.0	.0	.7	.0	.0	.7	.7
RP 4.01: BEEF	1.2	.0	.0	1.2	22.1	1.6	.0	23.7	24.9
RP 4.02: DAIRY	.9	.0	.0	.9	10.4	.0	.0	10.4	11.3
RP 4.03: POULTRY	.3	.0	.0	.3	5.8	.0	.0	5.8	6.1
RP 4.04: SHEEP	.6	.0	.0	.6	1.3	.0	.0	1.3	1.9
RP 4.05: SWINE	.0	.0	.0	.0	4.3	.0	.0	4.3	4.3
RP 4.06: OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	.0	.0	.0	.0	6.2	.0	.0	6.2	6.2

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978
RESEARCH PROGRAM SUMMARY

REGION 2

FLORIDA

	AR	ESCS	FS	USDA TOTAL	SAES	OTH COOP INSTS	FORESTRY SCHOOLS	CR/SAES TOTAL	TOTAL
RP 4.07: AQUATIC FOOD & FEEDSTUFFS	.0	.0	.0	.0	3.4	.6	.0	3.9	3.9
RP 5.01: FOOD & NUTRITION	.0	.0	.0	.0	4.3	6.6	.0	10.9	10.9
RP 5.02: FOOD SAFETY	.0	.0	.0	.0	5.5	.0	.0	5.5	5.5
RP 5.03: RURAL DEVELOPMENT & QUALITY OF FAMILY LIVING	.0	.0	.0	.0	7.2	1.0	.0	8.2	8.2
RP 5.04: INSECTS AFFECTING MAN & HIS BELONGINGS	18.4	.0	.0	18.4	.0	.0	.0	.0	18.4
RP 6.01: FARM ADJUSTMENT, PRICES & INCOME	.0	.0	.0	.0	6.4	.0	.0	6.4	6.4
RP 6.02: FOREIGN AGRICULTURAL TRADE & ECONOMIC DEVELOPMENT	2.7	.0	.0	2.7	.3	.0	.0	.3	3.0
RP 6.03: MARKETING & COMPETITION	4.4	2.1	.0	6.5	6.8	.0	.0	6.8	13.3
RP 7.01: GENERAL RESOURCE OR TECHNOLOGY	17.5	.0	.0	17.5	21.2	.0	.0	21.2	38.7
RP 9.01: UNCLASSIFIED	.0	.0	.0	.0	4.8	.0	.0	4.8	4.8
GRAND TOTAL	113.9	2.1	12.8	128.8	375.9	20.0	.0	395.9	524.7

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978
RESEARCH PROGRAM SUMMARY

REGION 2

GEORGIA

	AR	ESCS	FS	USDA TOTAL	SAES	OTH COOP INSTS	FORESTRY SCHOOLS	CR/SAES TOTAL	TOTAL
RP 1.01: SOIL & LAND USE	2.2	.0	.0	2.2	4.0	.0	.0	4.0	6.2
RP 1.02: WATER & WATERSHEDS	9.4	.0	.0	9.4	.5	.0	.0	.5	9.9
RP 1.03: RECREATION	.0	.0	.0	.0	.0	.0	.0	.0	.0
RP 1.04: ENVIRONMENTAL QUALITY	6.0	1.2	.0	7.2	4.7	.3	.0	5.0	12.2
RP 1.05: WEATHER MODIFICATION FOR AGRICULTURE & FORESTRY	.0	.0	.0	.0	.1	.6	.0	.7	.7
RP 2.01: INVENTORY & APPRAISAL OF FOREST RESOURCES	.0	.0	.0	.0	.0	.0	.0	.0	.0
RP 2.02: TIMBER MANAGEMENT	.0	.0	2.0	2.0	8.2	.0	.0	8.2	10.2
RP 2.03: FOREST PROTECTION	.0	.0	29.7	29.7	2.9	.0	.0	2.9	32.5
RP 2.04: HARVESTING PROCESSING & MARKETING OF FOREST PRODUCTS	.0	.0	11.0	11.0	5.9	.0	.0	5.9	16.9
RP 2.05: FOREST WATERSHEDS, SOILS, POLLUTION	.0	.0	3.6	3.6	1.0	.0	.0	1.0	4.6
RP 2.06: FOREST RANGE WILDLIFE & FISHERIES HABITAT DEVELOPMENT	.0	.0	.0	.0	2.1	.0	.0	2.1	2.1
RP 2.07: FOREST RECREATION & AESTHETICS & OTH LANDSCAPE VALUES	.0	.0	1.3	1.3	.2	.0	.0	.2	1.5
RP 3.01: CORN	8.7	.0	.0	8.7	4.2	.0	.0	4.2	12.9
RP 3.02: GRAIN SORGHUM	2.1	.0	.0	2.1	2.6	.0	.0	2.6	4.7
RP 3.03: WHEAT	2.6	.0	.0	2.6	1.9	.0	.0	1.9	4.6
RP 3.04: SMALL GRAINS OTHER THAN WHEAT	.1	.0	.0	.1	2.7	.0	.0	2.7	2.9
RP 3.05: RICE	.7	.0	.0	.7	.0	.0	.0	.0	.7
RP 3.06: SOYBEANS	3.3	.0	.0	3.3	8.2	1.0	.0	9.2	12.5
RP 3.07: PEANUTS	11.4	.0	.0	11.4	9.0	.0	.0	9.0	20.4
RP 3.09: FORAGE, RANGE, & PASTURE	14.4	.0	.0	14.4	10.6	.0	.0	10.6	25.1
RP 3.10: COTTON	2.6	.0	.0	2.6	2.9	.0	.0	2.9	5.4
RP 3.11: TOBACCO	10.4	.0	.0	10.4	1.9	.0	.0	1.9	12.3
RP 3.12: NEW CROPS & MINOR OILSEEDS	4.9	.0	.0	4.9	.1	.0	.0	.1	5.0
RP 3.13: FRUIT	24.0	.0	.0	24.0	12.9	1.4	.0	14.3	38.3
RP 3.14: VEGETABLE CROPS	10.0	.0	.0	10.0	14.8	.9	.0	15.7	25.7
RP 3.15: PLANTS TO ENHANCE THE ENVIRONMENT	2.4	.0	.0	2.4	7.2	.0	.0	7.2	9.5
RP 3.16: BEES & OTHER POLLINATING INSECTS	.0	.0	.0	.0	.1	.0	.0	.1	.1
RP 4.01: BEEF	1.2	.0	.0	1.2	9.7	.5	.0	10.2	11.4
RP 4.02: DAIRY	.9	.0	.0	.9	8.4	.0	.0	8.4	9.3
RP 4.03: POULTRY	14.6	.0	.0	14.6	10.4	.1	.0	10.5	25.1
RP 4.04: SHEEP	1.7	.0	.0	1.7	.3	.2	.0	.5	2.1
RP 4.05: SWINE	6.0	.0	.0	6.0	5.8	.5	.0	6.3	12.4
RP 4.06: OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	.8	.0	.0	.8	.6	.4	.0	1.0	1.8
RP 4.07: AQUATIC FOOD & FEEDSTUFFS	.0	.0	.0	.0	2.7	.0	.0	2.7	2.7
RP 5.01: FOOD & NUTRITION	2.9	.0	.0	2.9	4.1	.4	.0	4.5	7.5
RP 5.02: FOOD SAFETY	14.7	.0	.0	14.7	4.1	.5	.0	4.6	19.3

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978
RESEARCH PROGRAM SUMMARY

REGION 2

GEORGIA

	AR	ESCS	FS	USDA TOTAL	SAES	OTH COOP INSTS	FORESTRY SCHOOLS	CR/SAES TOTAL	TOTAL
RP 5.03: RURAL DEVELOPMENT & QUALITY OF FAMILY LIVING	1.3	1.0	.0	2.3	4.4	.6	.0	5.0	7.3
RP 5.04: INSECTS AFFECTING MAN & HIS BELONGINGS	.0	.0	.0	.0	.1	.0	.0	.1	.1
RP 6.01: FARM ADJUSTMENT, PRICES & INCOME	.0	.1	.0	.1	2.8	3.9	.0	6.7	6.8
RP 6.02: FOREIGN AGRICULTURAL TRADE & ECONOMIC DEVELOPMENT	.6	.0	.0	.6	.8	.0	.0	.8	1.4
RP 6.03: MARKETING & COMPETITION	6.8	2.2	.0	9.0	7.6	.0	.0	7.6	16.7
RP 7.01: GENERAL RESOURCE OR TECHNOLOGY	14.0	.0	.0	14.0	8.3	.6	.0	8.8	22.9
RP 9.01: UNCLASSIFIED	.0	.0	.0	.0	.5	.0	.0	.5	.5
GRAND TOTAL	180.6	4.5	47.5	232.6	179.6	11.8	.0	191.4	424.0

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978
RESEARCH PROGRAM SUMMARY

REGION 2

KENTUCKY

	AR	ESCS	FS	USDA TOTAL	SAES	OTH COOP INSTS	FORESTRY SCHOOLS	CR/SAES TOTAL	TOTAL
RP 1.01: SOIL & LAND USE	.0	.0	.0	.0	2.3	.0	.0	2.3	2.3
RP 1.02: WATER & WATERSHEDS	.0	.0	.0	.0	.7	.0	.0	.7	.7
RP 1.04: ENVIRONMENTAL QUALITY	.0	.0	.0	.0	1.8	.0	.0	1.8	1.8
RP 2.02: TIMBER MANAGEMENT	.0	.0	.0	.0	1.9	.0	.0	1.9	1.9
RP 2.03: FOREST PROTECTION	.0	.0	.0	.0	1.9	.0	.0	1.9	1.9
RP 2.04: HARVESTING PROCESSING & MARKETING OF FOREST PRODUCTS	.0	.0	.0	.0	1.1	.0	.0	1.1	1.1
RP 2.05: FOREST WATERSHEDS, SOILS, POLLUTION	.0	.0	13.6	13.6	2.6	.0	.0	2.6	16.2
RP 2.06: FOREST RANGE WILDLIFE & FISHERIES HABITAT DEVELOPMENT	.0	.0	.0	.0	.7	.0	.0	.7	.7
RP 2.07: FOREST RECREATION & AESTHETICS & OTH LANDSCAPE VALUES	.0	.0	.0	.0	.3	.0	.0	.3	.3
RP 3.01: CORN	.0	.0	.0	.0	3.8	.0	.0	3.8	3.8
RP 3.03: WHEAT	.0	.0	.0	.0	.4	.0	.0	.4	.4
RP 3.04: SMALL GRAINS OTHER THAN WHEAT	.0	.0	.0	.0	1.6	.0	.0	1.6	1.6
RP 3.05: RICE	.0	.0	.0	.0	.0	.0	.0	.0	.0
RP 3.06: SOYBEANS	.0	.0	.0	.0	8.4	.0	.0	8.4	8.4
RP 3.09: FORAGE, RANGE, & PASTURE	1.9	.0	.0	1.9	10.2	.0	.0	10.2	12.1
RP 3.10: COTTON	.0	.0	.0	.0	.0	.0	.0	.0	.0
RP 3.11: TOBACCO	9.7	.0	.0	9.7	5.5	.0	.0	5.5	15.3
RP 3.12: NEW CROPS & MINOR OILSEEDS	.0	.0	.0	.0	.3	.0	.0	.3	.3
RP 3.13: FRUIT	.0	.0	.0	.0	3.7	.0	.0	3.7	3.7
RP 3.14: VEGETABLE CROPS	.0	.0	.0	.0	4.7	.0	.0	4.7	4.7
RP 3.15: PLANTS TO ENHANCE THE ENVIRONMENT	.2	.0	.0	.2	3.7	.0	.0	3.7	3.9
RP 4.01: BEEF	.0	.0	.0	.0	5.6	.0	.0	5.6	5.6
RP 4.02: DAIRY	.0	.0	.0	.0	3.4	.0	.0	3.4	3.4
RP 4.03: POULTRY	.0	.0	.0	.0	.5	.0	.0	.5	.5
RP 4.04: SHEEP	.0	.0	.0	.0	2.3	.0	.0	2.3	2.3
RP 4.05: SWINE	.0	.0	.0	.0	3.1	.0	.0	3.1	3.1
RP 4.06: OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	.0	.0	.0	.0	9.3	.0	.0	9.3	9.3
RP 5.01: FOOD & NUTRITION	.0	.0	.0	.0	3.0	10.9	.0	13.9	13.9
RP 5.02: FOOD SAFETY	.0	.0	.0	.0	1.1	.0	.0	1.1	1.1
RP 5.03: RURAL DEVELOPMENT & QUALITY OF FAMILY LIVING	.0	.1	.0	.1	10.5	2.5	.0	13.0	13.1
RP 5.05: RESEARCH ON ADMINISTRATION OF RESEARCH	.0	.0	.0	.0	1.2	.0	.0	1.2	1.2
RP 6.01: FARM ADJUSTMENT, PRICES & INCOME	.0	.0	.0	.0	.9	.0	.0	.9	.9
RP 6.03: MARKETING & COMPETITION	.0	.0	.0	.0	6.3	.0	.0	6.3	6.3
RP 7.01: GENERAL RESOURCE OR TECHNOLOGY	.2	.0	.0	.2	4.3	.0	.0	4.3	4.5
RP 9.01: UNCLASSIFIED	.0	.0	.0	.0	2.1	.0	.0	2.1	2.1
GRAND TOTAL	12.0	.1	13.6	25.7	109.3	13.4	.0	122.7	148.4

TABLE V-8 STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978
RESEARCH PROGRAM SUMMARY

REGION 2

LOUISIANA

	AR	ESCS	FS	USDA TOTAL	SAES	OTH COOP INSTS	FORESTRY SCHOOLS	CR/SAES TOTAL	TOTAL
RP 1.01: SOIL & LAND USE	.8	.0	.0	.8	5.1	.0	.0	5.1	5.8
RP 1.02: WATER & WATERSHEDS	.4	.0	.0	.4	.5	.0	.0	.5	.9
RP 1.03: RECREATION	.0	.0	.0	.0	.1	.0	.0	.1	.1
RP 1.04: ENVIRONMENTAL QUALITY	6.0	.2	.0	6.2	3.3	.3	.0	3.6	9.8
RP 1.06: FISH & WILDLIFE	.0	.0	.0	.0	3.7	.0	.0	3.7	3.7
RP 2.01: INVENTORY & APPRAISAL OF FOREST RESOURCES	.0	.0	5.2	5.2	.0	.0	.0	.0	5.2
RP 2.02: TIMBER MANAGEMENT	.0	.0	12.5	12.5	5.7	.0	.6	6.3	18.8
RP 2.03: FOREST PROTECTION	.0	.0	6.0	6.0	1.3	.0	.6	1.9	7.9
RP 2.04: HARVESTING PROCESSING & MARKETING OF FOREST PRODUCTS	.0	.0	14.4	14.4	1.1	.0	.4	1.5	15.9
RP 2.06: FOREST RANGE WILDLIFE & FISHERIES HABITAT DEVELOPMENT	.0	.0	4.0	4.0	1.3	.0	.6	1.9	5.9
RP 2.07: FOREST RECREATION & AESTHETICS & OTH LANDSCAPE VALUES	.0	.0	.0	.0	.4	.0	.0	.4	.4
RP 2.08: ALTERNATE USES OF LAND	.0	.0	.0	.0	.7	.0	.6	1.3	1.3
RP 3.01: CORN	.1	.0	.0	.1	2.4	.0	.0	2.4	2.4
RP 3.02: GRAIN SORGHUM	1.5	.0	.0	1.5	2.5	.0	.0	2.5	4.0
RP 3.03: WHEAT	.0	.0	.0	.0	.8	.0	.0	.8	.8
RP 3.04: SMALL GRAINS OTHER THAN WHEAT	1.8	.0	.0	1.8	.6	.0	.0	.6	2.4
RP 3.05: RICE	6.9	.0	.0	6.9	15.0	.0	.0	15.0	21.9
RP 3.06: SOYBEANS	.8	.1	.0	.9	10.2	2.1	.0	12.3	13.2
RP 3.07: PEANUTS	4.4	.0	.0	4.4	.0	.0	.0	.0	4.4
RP 3.08: SUGAR	13.7	.0	.0	13.7	12.2	.0	.0	12.2	25.9
RP 3.09: FORAGE, RANGE, & PASTURE	.0	.0	.0	.0	10.2	.0	.0	10.2	10.2
RP 3.10: COTTON	116.1	.2	.0	116.2	11.9	.0	.0	11.9	128.1
RP 3.12: NEW CROPS & MINOR OILSEEDS	.0	.0	.0	.0	.5	.0	.0	.5	.5
RP 3.13: FRUIT	.0	.0	.0	.0	8.7	.0	.0	8.7	8.7
RP 3.14: VEGETABLE CROPS	.4	.0	.0	.4	16.5	.4	.0	16.9	17.3
RP 3.15: PLANTS TO ENHANCE THE ENVIRONMENT	.0	.0	.0	.0	6.5	.0	.0	6.5	6.5
RP 3.16: BEES & OTHER POLLINATING INSECTS	8.0	.0	.0	8.0	.0	.0	.0	.0	8.0
RP 4.01: BEEF	1.3	.0	.0	1.3	18.0	.7	.0	18.7	20.0
RP 4.02: DAIRY	.3	.0	.0	.3	12.9	.3	.0	13.2	13.5
RP 4.03: POULTRY	.0	.0	.0	.0	5.3	.4	.0	5.7	5.7
RP 4.04: SHEEP	.0	.0	.0	.0	.4	.0	.0	.4	.4
RP 4.05: SWINE	.0	.0	.0	.0	1.4	.0	.0	1.4	1.4
RP 4.06: OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	.2	.0	.0	.2	2.8	.0	.0	2.8	3.0
RP 4.07: AQUATIC FOOD & FEEDSTUFFS	.0	.0	.0	.0	5.6	.4	.0	6.0	6.0
RP 5.01: FOOD & NUTRITION	.0	.0	.0	.0	2.1	.3	.0	2.4	2.4
RP 5.02: FOOD SAFETY	6.0	.0	.0	6.0	2.2	.2	.0	2.4	8.4

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978
RESEARCH PROGRAM SUMMARY

REGION 2									
LOUISIANA									
	AR	ESCS	FS	USDA TOTAL	SAES	OTH COOP INSTS	FORESTRY SCHOOLS	CR/SAES TOTAL	TOTAL
RP 5.03: RURAL DEVELOPMENT & QUALITY OF FAMILY LIVING	.6	.0	.0	.6	7.4	.7	.0	8.1	8.7
RP 5.04: INSECTS AFFECTING MAN & HIS BELONGINGS	1.5	.0	.0	1.5	1.1	.0	.0	1.1	2.6
RP 5.05: RESEARCH ON ADMINISTRATION OF RESEARCH	.0	.0	.0	.0	2.7	.0	.0	2.7	2.7
RP 6.01: FARM ADJUSTMENT, PRICES & INCOME	.0	.0	.0	.0	3.3	1.3	.0	4.6	4.6
RP 6.02: FOREIGN AGRICULTURAL TRADE & ECONOMIC DEVELOPMENT	5.6	.0	.0	5.6	.2	.0	.0	.2	5.8
RP 6.03: MARKETING & COMPETITION	.0	3.1	.0	3.1	6.6	.8	.0	7.4	10.5
RP 7.01: GENERAL RESOURCE OR TECHNOLOGY	2.5	.0	.0	2.5	5.9	.1	.0	6.0	8.5
RP 9.01: UNCLASSIFIED	.0	.0	.0	.0	5.7	.0	.0	5.7	5.7
GRAND TOTAL	179.0	3.5	42.1	224.6	204.5	8.0	2.8	215.3	439.9

TABLE V-8 STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978

REGION 2

RESEARCH PROGRAM SUMMARY

MISSISSIPPI

	AR	ESCS	FS	USDA TOTAL	SAES	OTH COOP INSTR	FORESTRY SCHOOLS	CR/SAES TOTAL	TOTAL
RP 1.01: SOIL & LAND USE	1.3	.0	.0	1.3	5.6	.0	.0	5.6	6.9
RP 1.02: WATER & WATERSHEDS	19.9	.0	.0	19.9	.3	.0	.0	.3	20.2
RP 1.03: RECREATION	.0	.0	.0	.0	.1	.0	.0	.1	.1
RP 1.04: ENVIRONMENTAL QUALITY	3.5	.6	.0	4.1	2.0	.1	.0	2.1	6.2
RP 1.06: FISH & WILDLIFE	.0	.0	.0	.0	2.2	.0	.0	2.2	2.2
RP 2.01: INVENTORY & APPRAISAL OF FOREST RESOURCES	.0	.0	.0	.0	.8	.0	.0	.8	.8
RP 2.02: TIMBER MANAGEMENT	.0	.0	15.5	15.5	4.3	.0	.0	4.3	19.8
RP 2.03: FOREST PROTECTION	.0	.0	15.0	15.0	3.3	.0	.0	3.3	18.3
RP 2.04: HARVESTING PROCESSING & MARKETING OF FOREST PRODUCTS	.0	.0	3.0	3.0	14.2	.0	.0	14.2	17.2
RP 2.05: FOREST WATERSHEDS, SOILS, POLLUTION	.0	.0	4.8	4.8	.0	.0	.0	.0	4.8
RP 2.06: FOREST RANGE WILDLIFE & FISHERIES HABITAT DEVELOPMENT	.0	.0	.0	.0	.1	.0	.0	.1	.1
RP 2.08: ALTERNATE USES OF LAND	.0	.0	.0	.0	1.0	.0	.0	1.0	1.0
RP 3.01: CORN	6.4	.0	.0	6.4	1.4	.0	.0	1.4	7.8
RP 3.02: GRAIN SORGHUM	.2	.0	.0	.2	.6	.0	.0	.6	.8
RP 3.03: WHEAT	.0	.0	.0	.0	.1	.0	.0	.1	.1
RP 3.04: SMALL GRAINS OTHER THAN WHEAT	.0	.0	.0	.0	.5	.5	.0	1.0	1.0
RP 3.05: RICE	.1	.0	.0	.1	1.9	.0	.0	1.9	2.0
RP 3.06: SOYBEANS	12.1	.3	.0	12.4	9.7	.0	.0	9.7	22.2
RP 3.07: PEANUTS	.0	.0	.0	.0	.1	.0	.0	.1	.1
RP 3.08: SUGAR	3.9	.0	.0	3.9	.0	.0	.0	.0	3.9
RP 3.09: FORAGE, RANGE, & PASTURE	2.3	.0	.0	2.3	8.4	.3	.0	8.7	10.9
RP 3.10: COTTON	45.8	.9	.0	46.7	19.0	.0	.0	19.0	65.6
RP 3.11: TOBACCO	.0	.0	.0	.0	.4	.0	.0	.4	.4
RP 3.12: NEW CROPS & MINOR OILSEEDS	.0	.0	.0	.0	.1	.0	.0	.1	.1
RP 3.13: FRUIT	2.2	.0	.0	2.2	6.8	.0	.0	6.8	9.1
RP 3.14: VEGETABLE CROPS	.1	.0	.0	.1	10.3	.3	.0	10.5	10.6
RP 3.15: PLANTS TO ENHANCE THE ENVIRONMENT	.0	.0	.0	.0	5.2	.0	.0	5.2	5.2
RP 4.01: BEEF	.0	.0	.0	.0	9.9	.7	.0	10.6	10.6
RP 4.02: DAIRY	.0	.0	.0	.0	7.6	.0	.0	7.6	7.6
RP 4.03: POULTRY	4.8	.0	.0	4.8	6.2	.0	.0	6.2	11.0
RP 4.04: SHEEP	.0	.0	.0	.0	.4	.0	.0	.4	.4
RP 4.05: SWINE	.0	.0	.0	.0	4.0	.4	.0	4.4	4.4
RP 4.06: OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	.0	.0	.0	.0	.8	.0	.0	.8	.8
RP 4.07: AQUATIC FOOD & FEEDSTUFFS	.0	.0	.0	.0	4.6	.0	.0	4.6	4.6
RP 5.01: FOOD & NUTRITION	.0	.0	.0	.0	2.2	.3	.0	2.5	2.5
RP 5.02: FOOD SAFETY	.0	.0	.0	.0	.2	.0	.0	.2	.2

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978
RESEARCH PROGRAM SUMMARY

REGION 2
MISSISSIPPI

	AR	ESCS	FS	USDA TOTAL	SAES	OTH COOP INSTS	FORESTRY SCHOOLS	CR/SAES TOTAL	TOTAL
RP 5.03: RURAL DEVELOPMENT & QUALITY OF FAMILY LIVING	.0	1.0	.0	1.0	5.3	2.3	.0	7.6	8.6
RP 5.04: INSECTS AFFECTING MAN & HIS BELONGINGS	2.0	.0	.0	2.0	.0	.0	.0	.0	2.0
RP 6.01: FARM ADJUSTMENT, PRICES & INCOME	.0	.0	.0	.0	1.7	.0	.0	1.7	1.7
RP 6.02: FOREIGN AGRICULTURAL TRADE & ECONOMIC DEVELOPMENT	.0	.0	.0	.0	.0	.0	.0	.0	.0
RP 6.03: MARKETING & COMPETITION	1.5	2.3	.0	3.8	3.8	.0	.0	3.8	7.6
RP 7.01: GENERAL RESOURCE OR TECHNOLOGY	7.3	.0	.0	7.3	1.8	.3	.0	2.1	9.4
RP 9.01: UNCLASSIFIED	.0	.0	.0	.0	.0	.0	.0	.0	.0
GRAND TOTAL	113.4	5.1	38.3	156.8	146.8	5.2	.0	152.0	308.8

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978
RESEARCH PROGRAM SUMMARY

REGION 2
NORTH CAROLINA

	AR	ESCS	FS	USDA TOTAL	SAES	OTH COOP INSTS	FORESTRY SCHOOLS	CE/SAES TOTAL	TOTAL
RP 1.01: SOIL & LAND USE	.0	.0	.0	.0	3.6	.0	.0	3.6	3.6
RP 1.02: WATER & WATERSHEDS	.0	.0	.0	.0	1.8	.0	.0	1.8	1.8
RP 1.03: RECREATION	.0	.0	.0	.0	.1	.5	.0	.6	.6
RP 1.04: ENVIRONMENTAL QUALITY	5.0	.0	.0	5.0	8.8	3.6	.0	12.4	17.4
RP 1.05: WEATHER MODIFICATION FOR AGRICULTURE & FORESTRY	.0	.0	.0	.0	.1	.0	.0	.1	.1
RP 1.06: FISH & WILDLIFE	.0	.0	.0	.0	1.6	.2	.0	1.8	1.8
RP 2.01: INVENTORY & APPRAISAL OF FOREST RESOURCES	.0	.0	9.0	9.0	.9	.0	.0	.9	9.9
RP 2.02: TIMBER MANAGEMENT	.0	.0	12.0	12.0	6.9	.0	.0	6.9	18.9
RP 2.03: FOREST PROTECTION	.0	.0	8.5	8.5	1.7	.0	.0	1.7	10.2
RP 2.04: HARVESTING PROCESSING & MARKETING OF FOREST PRODUCTS	.0	.0	3.0	3.0	6.1	.0	.0	6.1	9.1
RP 2.05: FOREST WATERSHEDS, SOILS, POLLUTION	.0	.0	2.9	2.9	.3	.0	.0	.3	3.1
RP 2.06: FOREST RANGE WILDLIFE & FISHERIES HABITAT DEVELOPMENT	.0	.0	1.0	1.0	.2	.0	.0	.2	1.1
RP 2.08: ALTERNATE USES OF LAND	.0	.0	.0	.0	.5	.0	.0	.5	.5
RP 3.01: CORN	2.6	.0	.0	2.6	6.7	.0	.0	6.7	9.3
RP 3.02: GRAIN SORGHUM	.0	.0	.0	.0	.1	.0	.0	.1	.1
RP 3.03: WHEAT	.0	.0	.0	.0	1.0	.0	.0	1.0	1.0
RP 3.04: SMALL GRAINS OTHER THAN WHEAT	.0	.0	.0	.0	1.1	.0	.0	1.1	1.1
RP 3.06: SOYBEANS	5.0	.0	.0	5.0	9.3	.0	.0	9.3	14.3
RP 3.07: PEANUTS	2.1	.0	.0	2.1	6.8	.0	.0	6.8	8.9
RP 3.09: FORAGE, RANGE, & PASTURE	2.5	.0	.0	2.5	2.1	.0	.0	2.1	4.6
RP 3.10: COTTON	5.3	.0	.0	5.3	3.4	.0	.0	3.4	8.7
RP 3.11: TOBACCO	10.3	.0	.0	10.3	21.9	.2	.0	22.1	32.4
RP 3.12: NEW CROPS & MINOR OILSEEDS	.0	.0	.0	.0	.3	.0	.0	.3	.3
RP 3.13: FRUIT	.1	.0	.0	.1	12.8	.0	.0	12.8	12.9
RP 3.14: VEGETABLE CROPS	5.1	.0	.0	5.1	17.3	.0	.0	17.3	22.4
RP 3.15: PLANTS TO ENHANCE THE ENVIRONMENT	.0	.0	.0	.0	4.8	.0	.0	4.8	4.8
RP 3.16: BEES & OTHER POLLINATING INSECTS	.0	.0	.0	.0	.3	.0	.0	.3	.3
RP 4.01: BEEF	.4	.0	.0	.4	5.6	1.6	.0	7.2	7.7
RP 4.02: DAIRY	.3	.0	.0	.3	9.5	.5	.0	10.0	10.3
RP 4.03: POULTRY	.0	.0	.0	.0	12.9	.0	.0	12.9	12.9
RP 4.04: SHEEP	.0	.0	.0	.0	.6	.2	.0	.8	.8
RP 4.05: SWINE	.0	.0	.0	.0	8.8	.4	.0	9.2	9.2
RP 4.06: OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	.0	.0	.0	.0	1.0	.0	.0	1.0	1.0
RP 4.07: AQUATIC FOOD & FEEDSTUFFS	.0	.0	.0	.0	1.2	.2	.0	1.3	1.3
RP 5.01: FOOD & NUTRITION	.0	.0	.0	.0	1.0	.5	.0	1.5	1.5
RP 5.02: FOOD SAFETY	1.8	.0	.0	1.8	3.0	.0	.0	3.0	4.8

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978
RESEARCH PROGRAM SUMMARY

	REGION 2								
	NORTH CAROLINA								
	AR	ESCS	FS	USDA TOTAL	SAES	OTH COOP INSTS	FORESTRY SCHOOLS	CP/SAES TOTAL	TOTAL
RP 5.03: RURAL DEVELOPMENT & QUALITY OF FAMILY LIVING	.0	1.0	.0	1.0	6.5	1.7	.0	8.2	9.2
RP 5.04: INSECTS AFFECTING MAN & HIS BELONGINGS	.0	.0	.0	.0	1.0	.0	.0	1.0	1.0
RP 6.01: FARM ADJUSTMENT, PRICES & INCOME	.0	1.3	.0	1.3	1.3	.2	.0	1.5	2.8
RP 6.02: FOREIGN AGRICULTURAL TRADE & ECONOMIC DEVELOPMENT	.0	.0	.0	.0	1.0	.0	.0	1.0	1.0
RP 6.03: MARKETING & COMPETITION	1.0	.0	.0	1.0	4.0	.5	.0	4.5	5.5
RP 7.01: GENERAL RESOURCE OR TECHNOLOGY	4.1	.0	.0	4.1	21.6	.1	.0	21.7	25.8
RP 9.01: UNCLASSIFIED	.0	.0	.0	.0	.0	.0	.0	.0	.0
GRAND TOTAL	45.6	2.3	36.3	84.2	199.6	10.2	.0	209.8	294.0

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978
RESEARCH PROGRAM SUMMARY

REGION 2

OKLAHOMA

	AR	ESCS	FS	USDA TOTAL	SAZS	OTH COOP INSTS	FORESTRY SCHOOLS	CR/SAZS TOTAL	TOTAL
RP 1.01: SOIL & LAND USE	.3	.0	.0	.3	2.3	.0	.0	2.3	2.6
RP 1.02: WATER & WATERSHEDS	6.6	1.0	.0	7.6	3.6	.0	.0	3.6	11.1
RP 1.03: RECREATION	.0	.0	.0	.0	.5	.0	.0	.5	.5
RP 1.04: ENVIRONMENTAL QUALITY	6.7	.0	.0	6.7	1.1	3.3	.0	4.4	11.1
RP 1.05: WEATHER MODIFICATION FOR AGRICULTURE & FORESTRY	.0	.0	.0	.0	.0	.0	.0	.0	.0
PP 1.06: FISH & WILDLIFE	.0	.0	.0	.0	.4	.0	.0	.4	.4
RP 2.01: INVENTORY & APPRAISAL OF FOREST RESOURCES	.0	.0	.0	.0	.0	.0	.0	.0	.0
RP 2.02: TIMBER MANAGEMENT	.0	.0	.0	.0	2.9	.0	.0	2.9	2.9
RP 2.03: FOREST PROTECTION	.0	.0	.0	.0	.1	.0	.0	.1	.1
RP 2.04: HARVESTING PROCESSING & MARKETING OF FOREST PRODUCTS	.0	.0	.0	.0	.5	.0	.0	.5	.5
RP 2.05: FOREST WATERSHEDS, SOILS, POLLUTION	.0	.0	.0	.0	.0	.0	.0	.0	.0
PP 2.06: FOREST RANGE WILDLIFE & FISHERIES HABITAT DEVELOPMENT	.0	.0	.0	.0	.0	.0	.0	.0	.0
RP 2.08: ALTERNATE USES OF LAND	.0	.0	.0	.0	.0	.0	.0	.0	.0
RP 3.01: CORN	.3	.0	.0	.3	1.0	.0	.0	1.0	1.3
RP 3.02: GRAIN SORGHUM	.9	.0	.0	.9	3.1	.0	.0	3.1	4.0
RP 3.03: WHEAT	4.2	.0	.0	4.2	6.3	.0	.0	6.3	10.5
RP 3.04: SMALL GRAINS OTHER THAN WHEAT	.6	.0	.0	.6	1.8	.0	.0	1.8	2.4
RP 3.06: SOYBEANS	.0	.0	.0	.0	.4	.0	.0	.4	.4
RP 3.07: PEANUTS	2.0	.0	.0	2.0	.9	.0	.0	.9	2.9
RP 3.09: FORAGE, RANGE, & PASTURE	2.9	.0	.0	2.9	10.3	.0	.0	10.3	13.2
RP 3.10: COTTON	.0	.0	.0	.0	3.6	4.0	.0	7.6	7.6
RP 3.12: NEW CROPS & MINOR OILSEEDS	.0	.0	.0	.0	.4	.0	.0	.4	.4
RP 3.13: FRUIT	.0	.0	.0	.0	.2	.0	.0	.2	.2
RP 3.14: VEGETABLE CROPS	.0	.0	.0	.0	1.2	.0	.0	1.2	1.2
RP 3.15: PLANTS TO ENHANCE THE ENVIRONMENT	.0	.0	.0	.0	1.6	.0	.0	1.6	1.6
RP 3.16: BEES & OTHER POLLINATING INSECTS	.3	.0	.0	.3	.0	.0	.0	.0	.3
RP 4.01: BEEF	4.1	.0	.0	4.1	11.9	.0	.0	11.9	16.0
RP 4.02: DAIRY	.0	.0	.0	.0	2.5	.0	.0	2.5	2.5
RP 4.03: POULTRY	.0	.0	.0	.0	1.1	.0	.0	1.1	1.1
RP 4.04: SHEEP	.0	.0	.0	.0	.6	.0	.0	.6	.6
RP 4.05: SWINE	.0	.0	.0	.0	2.2	.0	.0	2.2	2.2
RP 4.06: OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	.0	.0	.0	.0	.3	.0	.0	.3	.3
RP 5.01: FOOD & NUTRITION	.0	.0	.0	.0	.6	2.0	.0	2.6	2.6
RP 5.02: FOOD SAFETY	.0	.0	.0	.0	.4	.0	.0	.4	.4
RP 5.03: RURAL DEVELOPMENT & QUALITY OF FAMILY LIVING	.0	1.2	.0	1.2	1.4	1.0	.0	2.4	3.6
RP 5.04: INSECTS AFFECTING MAN & HIS BELONGINGS	.0	.0	.0	.0	.7	.0	.0	.7	.7

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978

RESEARCH PROGRAM SUMMARY

REGION 2

OKLAHOMA

	AR	ESCS	FS	USDA TOTAL	SAES	OTH COOP IN SIS	FORESTRY SCHOOLS	CR/SAES TOTAL	TOTAL
RP 6.01: FARM ADJUSTMENT, PRICES & INCOME	.0	4.0	.0	4.0	6.7	.0	.0	6.7	10.7
RP 6.02: FOREIGN AGRICULTURAL TRADE & ECONOMIC DEVELOPMENT	.0	.0	.0	.0	.4	.0	.0	.4	.4
RP 6.03: MARKETING & COMPETITION	.0	.0	.0	.0	4.8	.0	.0	4.8	4.8
RP 7.01: GENERAL RESOURCE OR TECHNOLOGY	.0	.0	.0	.0	8.4	.0	.0	8.4	8.4
RP 9.01: UNCLASSIFIED	.0	.0	.0	.0	.6	.0	.0	.6	.6
GRAND TOTAL	28.8	6.2	.0	35.0	85.0	10.3	.0	95.3	130.3

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978

REGION 2

RESEARCH PROGRAM SUMMARY

SOUTH CAROLINA

	AR	ESCS	FS	USDA TOTAL	SAES	OTH COOP INSTS	FORESTRY SCHOOLS	CR/SAES TOTAL	TOTAL
RP 1.01: SOIL & LAND USE	2.0	.0	.0	2.0	2.3	.0	.0	2.3	4.3
RP 1.02: WATER & WATERSHEDS	.8	.0	.0	.8	1.4	.0	.0	1.4	2.2
RP 1.04: ENVIRONMENTAL QUALITY	.0	.0	.0	.0	2.3	.8	.0	3.0	3.0
RP 1.05: WEATHER MODIFICATION FOR AGRICULTURE & FORESTRY	.0	.0	.0	.0	.1	.0	.0	.1	.1
RP 1.06: FISH & WILDLIFE	.0	.0	.0	.0	.8	.0	.0	.8	.8
RP 2.01: INVENTORY & APPRAISAL OF FOREST RESOURCES	.0	.0	.0	.0	.0	.0	.2	.2	.2
RP 2.02: TIMBER MANAGEMENT	.0	.0	10.6	10.6	.0	.0	3.8	3.8	14.4
RP 2.03: FOREST PROTECTION	.0	.0	.0	.0	.0	.0	.4	.4	.4
RP 2.04: HARVESTING PROCESSING & MARKETING OF FOREST PRODUCTS	.0	.0	.0	.0	.0	.0	.3	.3	.3
RP 2.05: FOREST WATERSHEDS, SOILS, POLLUTION	.0	.0	.0	.0	.0	.0	.9	.9	.9
RP 2.06: FOREST RANGE WILDLIFE & FISHERIES HABITAT DEVELOPMENT	.0	.0	3.0	3.0	.0	.0	.6	.6	3.6
RP 2.07: FOREST RECREATION & AESTHETICS & OTH LANDSCAPE VALUES	.0	.0	1.0	1.0	.6	.0	.3	.9	1.9
RP 2.08: ALTERNATE USES OF LAND	.0	.0	.0	.0	.0	.0	.3	.3	.3
RP 3.01: CORN	.0	.0	.0	.0	2.7	.0	.0	2.7	2.7
RP 3.02: GRAIN SORGHUM	.0	.0	.0	.0	.2	.0	.0	.2	.2
RP 3.03: WHEAT	.0	.0	.0	.0	.9	.0	.0	.9	.9
RP 3.04: SMALL GRAINS OTHER THAN WHEAT	.0	.0	.0	.0	.5	.0	.0	.5	.5
RP 3.06: SOYBEANS	.7	.0	.0	.7	10.8	1.2	.0	12.0	12.7
RP 3.07: PEANUTS	.0	.0	.0	.0	.3	.0	.0	.3	.3
RP 3.09: FORAGE, RANGE, & PASTURE	1.0	.0	.0	1.0	6.3	.0	.0	6.3	7.3
RP 3.10: COTTON	11.9	.0	.0	11.9	2.9	.0	.0	2.9	14.8
RP 3.11: TOBACCO	.0	.0	.0	.0	3.6	.0	.0	3.6	3.6
RP 3.12: NEW CROPS & MINOR OILSEEDS	.0	.0	.0	.0	.0	.0	.0	.0	.0
RP 3.13: FRUIT	1.0	.0	.0	1.0	8.8	.0	.0	8.8	9.8
RP 3.14: VEGETABLE CROPS	12.0	.0	.0	12.0	8.7	.3	.0	9.0	21.0
RP 3.15: PLANTS TO ENHANCE THE ENVIRONMENT	.0	.0	.0	.0	4.6	.0	.0	4.6	4.6
RP 4.01: BEEF	.0	.0	.0	.0	5.8	.0	.0	5.8	5.8
RP 4.02: DAIRY	.0	.0	.0	.0	5.7	.0	.0	5.7	5.7
RP 4.03: POULTRY	.0	.0	.0	.0	4.2	.0	.1	4.3	4.3
RP 4.04: SHEEP	.0	.0	.0	.0	.4	.0	.0	.4	.4
RP 4.05: SWINE	.0	.0	.0	.0	2.3	.0	.0	2.3	2.3
RP 4.06: OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	.0	.0	.0	.0	.6	.0	.0	.6	.6
RP 4.07: AQUATIC FOOD & FEEDSTUFFS	.0	.0	.0	.0	.8	.0	.0	.8	.8
RP 5.01: FOOD & NUTRITION	.0	.0	.0	.0	1.3	.7	.0	2.0	2.0
RP 5.02: FOOD SAFETY	.0	.0	.0	.0	1.0	.5	.0	1.5	1.5
RP 5.03: RURAL DEVELOPMENT & QUALITY OF FAMILY LIVING	3.5	.0	.0	3.5	3.3	3.8	.0	7.1	10.6

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978
RESEARCH PROGRAM SUMMARY

REGION 2
SOUTH CAROLINA

	AR	ESCS	FS	USDA TOTAL	SAES	OTH COOP INSTS	FORESTRY SCHOOLS	CR/SAES TOTAL	TOTAL
RP 5.04: INSECTS AFFECTING MAN & HIS BELONGINGS	.0	.0	.0	.0	.9	.0	.0	.9	.9
RP 6.01: FARM ADJUSTMENT, PRICES & INCOME	.0	.0	.0	.0	1.8	.0	.0	1.8	1.8
RP 6.03: MARKETING & COMPETITION	.3	1.5	.0	1.8	2.0	.0	.0	2.0	3.9
RP 7.01: GENERAL RESOURCE OR TECHNOLOGY	.0	.0	.0	.0	3.0	.4	.0	3.4	3.4
RP 9.01: UNCLASSIFIED	.0	.0	.0	.0	1.2	.0	3.1	4.3	4.3
GRAND TOTAL	33.3	1.5	14.6	49.4	92.0	7.6	9.9	109.5	158.9

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978
RESEARCH PROGRAM SUMMARY

REGION 2

TENNESSEE

	AR	ESCS	FS	USDA TOTAL	SAES	OTH COOP INSTS	FORESTRY SCHOOLS	CR/SAES TOTAL	TOTAL
RP 1.01: SOIL & LAND USE	.0	.0	.0	.0	2.9	.0	.0	2.9	2.9
RP 1.02: WATER & WATERSHEDS	.0	.0	.0	.0	.6	.0	.0	.6	.6
RP 1.04: ENVIRONMENTAL QUALITY	.7	.0	.0	.7	1.6	.3	.0	1.9	2.6
RP 1.05: WEATHER MODIFICATION FOR AGRICULTURE & FORESTRY	.0	.0	.0	.0	.2	.0	.0	.2	.2
RP 1.06: FISH & WILDLIFE	.0	.0	.0	.0	.3	.0	.0	.3	.3
RP 2.01: INVENTORY & APPRAISAL OF FOREST RESOURCES	.0	.0	.0	.0	1.1	.0	.0	1.1	1.1
RP 2.02: TIMBER MANAGEMENT	.0	.0	3.8	3.8	1.6	.0	.0	1.6	5.4
RP 2.03: FOREST PROTECTION	.0	.0	.0	.0	.4	.0	.0	.4	.4
RP 2.04: HARVESTING PROCESSING & MARKETING OF FOREST PRODUCTS	.0	.0	.0	.0	.6	.0	.0	.6	.6
RP 2.05: FOREST WATERSHEDS, SOILS, POLLUTION	.0	.0	.0	.0	.6	.0	.0	.6	.6
RP 2.06: FOREST RANGE WILDLIFE & FISHERIES HABITAT DEVELOPMENT	.0	.0	.0	.0	1.2	.0	.0	1.2	1.2
RP 2.07: FOREST RECREATION & AESTHETICS & OTH LANDSCAPE VALUES	.0	.0	.0	.0	1.1	.0	.0	1.1	1.1
RP 2.08: ALTERNATE USES OF LAND	.0	.0	.0	.0	.5	.0	.0	.5	.5
RP 3.01: CORN	.0	.0	.0	.0	4.4	.4	.0	4.8	4.8
RP 3.02: GRAIN SORGHUM	.0	.0	.0	.0	.2	.0	.0	.2	.2
RP 3.03: WHEAT	.0	.0	.0	.0	1.0	.0	.0	1.0	1.0
RP 3.04: SMALL GRAINS OTHER THAN WHEAT	.0	.0	.0	.0	1.1	.0	.0	1.1	1.1
RP 3.06: SOYBEANS	1.8	.0	.0	1.8	7.6	.0	.0	7.6	9.4
RP 3.07: PEANUTS	.0	.0	.0	.0	.1	.0	.0	.1	.1
RP 3.08: SUGAR	.0	.0	.0	.0	.1	.0	.0	.1	.1
RP 3.09: FORAGE, RANGE, & PASTURE	.0	.0	.0	.0	4.0	.0	.0	4.0	4.0
RP 3.10: COTTON	7.3	.0	.0	7.3	6.0	.0	.0	6.0	13.3
RP 3.11: TOBACCO	2.0	.0	.0	2.0	3.7	.0	.0	3.7	5.7
RP 3.12: NEW CROPS & MINOR OILSEEDS	.0	.0	.0	.0	.4	.0	.0	.4	.4
RP 3.13: FRUIT	.0	.0	.0	.0	2.5	.0	.0	2.5	2.5
RP 3.14: VEGETABLE CROPS	.0	.0	.0	.0	6.0	.0	.0	6.0	6.0
RP 3.15: PLANTS TO ENHANCE THE ENVIRONMENT	.0	.0	.0	.0	5.8	.5	.0	6.3	6.3
RP 3.16: BEES & OTHER POLLINATING INSECTS	.0	.0	.0	.0	.2	.0	.0	.2	.2
RP 4.01: BEEF	1.2	.0	.0	1.2	18.1	.0	.0	18.1	19.3
RP 4.02: DAIRY	1.4	.0	.0	1.4	10.4	.0	.0	10.4	11.8
RP 4.03: POULTRY	.0	.0	.0	.0	2.2	.0	.0	2.2	2.2
RP 4.04: SHEEP	.0	.0	.0	.0	.8	.0	.0	.8	.8
RP 4.05: SWINE	.0	.0	.0	.0	11.1	.0	.0	11.1	11.1
RP 4.06: OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	.0	.0	.0	.0	1.7	.0	.0	1.7	1.7
RP 4.07: AQUATIC FOOD & FEEDSTUFFS	.0	.0	.0	.0	.5	.0	.0	.5	.5
RP 5.01: FOOD & NUTRITION	.0	.0	.0	.0	3.4	.0	.0	3.4	3.4

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978
RESEARCH PROGRAM SUMMARY

REGION 2 TENNESSEE									
	AR	ESCS	FS	USDA TOTAL	SAES	OTH COOP INSTS	FORESTRY SCHOOLS	CR/SAES TOTAL	TOTAL
RP 5.02: FOOD SAFETY	.0	.0	.0	.0	.2	.0	.0	.2	.2
RP 5.03: RURAL DEVELOPMENT & QUALITY OF FAMILY LIVING	3.3	.0	.0	3.3	7.7	.8	.0	8.5	11.8
RP 6.01: FARM ADJUSTMENT, PRICES & INCOME	.0	.0	.0	.0	1.8	.6	.0	2.4	2.4
RP 6.03: MARKETING & COMPETITION	.0	.0	.0	.0	4.3	.2	.0	4.6	4.6
RP 7.01: GENERAL RESOURCE OR TECHNOLOGY	.0	.0	.0	.0	2.5	.2	.0	2.7	2.7
RP 9.01: UNCLASSIFIED	.0	.0	.0	.0	.0	.0	.0	.0	.0
GRAND TOTAL	17.7	.0	3.8	21.5	120.4	3.1	.0	123.5	145.0

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978

REGION 2

RESEARCH PROGRAM SUMMARY

TEXAS

	AR	ESCS	FS	USDA TOTAL	SAES	OTH COOP INSTS	FORESTRY SCHOOLS	CR/SAES TOTAL	TOTAL
RP 1.01: SOIL & LAND USE	3.8	.0	.0	3.8	9.5	.6	.0	10.1	14.0
RP 1.02: WATER & WATERSHEDS	16.0	.0	.0	16.0	10.9	.0	.0	10.9	26.9
RP 1.03: RECREATION	.0	.0	.0	.0	3.0	.0	.0	3.0	3.0
RP 1.04: ENVIRONMENTAL QUALITY	1.8	.0	.0	1.8	9.4	1.5	.0	10.9	12.7
RP 1.05: WEATHER MODIFICATION FOR AGRICULTURE & FORESTRY	.3	.0	.0	.3	.9	.0	.0	.9	1.2
RP 1.06: FISH & WILDLIFE	.0	.0	.0	.0	4.9	.0	.0	4.9	4.9
RP 1.07: REMOTE SENSING	4.1	.0	.0	4.1	.3	.0	.0	.3	4.4
RP 2.01: INVENTORY & APPRAISAL OF FOREST RESOURCES	.0	.0	.0	.0	.1	.0	.2	.2	.2
RP 2.02: TIMBER MANAGEMENT	.0	.0	.0	.0	.8	.0	1.4	2.2	2.2
RP 2.03: FOREST PROTECTION	.0	.0	.0	.0	2.6	.0	1.9	4.5	4.5
RP 2.04: HARVESTING PROCESSING & MARKETING OF FOREST PRODUCTS	.0	.0	.0	.0	.7	.0	.3	.9	.9
RP 2.05: FOREST WATERSHEDS, SOILS, POLLUTION	.0	.0	.0	.0	.9	.0	1.5	2.3	2.3
RP 2.06: FOREST RANGE WILDLIFE & FISHERIES HABITAT DEVELOPMENT	.0	.0	6.0	6.0	.1	.0	.6	.7	6.7
RP 2.07: FOREST RECREATION & AESTHETICS & OTH LANDSCAPE VALUES	.0	.0	.0	.0	.0	.0	.1	.1	.1
RP 2.08: ALTERNATE USES OF LAND	.0	.0	.0	.0	.1	.0	.3	.4	.4
RP 3.01: CORN	.0	.0	.0	.0	2.7	.0	.0	2.7	2.7
RP 3.02: GRAIN SORGHUM	1.9	.0	.0	1.9	11.9	.0	.0	11.9	13.7
RP 3.03: WHEAT	.0	.0	.0	.0	4.6	.0	.0	4.6	4.6
RP 3.04: SMALL GRAINS OTHER THAN WHEAT	.0	.0	.0	.0	2.6	.6	.0	3.2	3.2
RP 3.05: RICE	3.9	.0	.0	3.9	4.5	.0	.0	4.5	8.4
RP 3.06: SOYBEANS	.3	.1	.0	.4	3.8	.0	.0	3.8	4.2
RP 3.07: PEANUTS	1.0	.0	.0	1.0	6.9	.0	.0	6.9	7.9
RP 3.08: SUGAR	1.7	.0	.0	1.7	3.5	.0	.0	3.5	5.2
RP 3.09: FORAGE, RANGE, & PASTURE	11.4	.0	.0	11.4	23.5	.2	.0	23.7	35.1
RP 3.10: COTTON	33.4	.2	.0	33.6	17.4	.0	.0	17.4	51.1
RP 3.12: NEW CROPS & MINOR OILSEEDS	3.6	.0	.0	3.6	1.7	.0	.0	1.7	5.3
RP 3.13: FRUIT	11.8	.0	.0	11.8	11.5	.0	.0	11.5	23.3
RP 3.14: VEGETABLE CROPS	4.9	.0	.0	4.9	11.8	.9	.0	12.7	17.6
RP 3.15: PLANTS TO ENHANCE THE ENVIRONMENT	.2	.0	.0	.2	5.8	.0	.0	5.8	6.0
RP 4.01: BEEF	26.0	.0	.0	26.0	17.0	.5	.0	17.5	43.5
RP 4.02: DAIRY	3.9	.0	.0	3.9	2.7	.0	.0	2.7	6.6
RP 4.03: POULTRY	2.8	.0	.0	2.8	9.4	.0	.0	9.4	12.2
RP 4.04: SHEEP	1.8	.0	.0	1.8	4.2	.0	.0	4.2	6.0
RP 4.05: SWINE	.9	.0	.0	.9	1.0	.6	.0	1.6	2.5
RP 4.06: OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	1.2	.0	.0	1.2	2.7	.0	.0	2.7	3.9
RP 4.07: AQUATIC FOOD & FEEDSTUFFS	.0	.0	.0	.0	2.6	.0	.0	2.6	2.6

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978
RESEARCH PROGRAM SUMMARY

	REGION 2								
	TEXAS								
	AR	ESCS	FS	USDA TOTAL	SAES	OTH COOP INSTS	FORESTRY SCHOOLS	CR/SAES TOTAL	TOTAL
RP 5.01: FOOD & NUTRITION	.2	.0	.0	.2	3.6	1.5	.0	5.1	5.3
RP 5.02: FOOD SAFETY	5.7	.0	.0	5.7	1.5	.0	.0	1.5	7.2
RP 5.03: RURAL DEVELOPMENT & QUALITY OF FAMILY LIVING	.0	.0	.0	.0	5.2	.6	.0	5.8	5.8
RP 5.04: INSECTS AFFECTING MAN & HIS BELONGINGS	.0	.0	.0	.0	.8	.0	.0	.8	.8
RP 6.01: FARM ADJUSTMENT, PRICES & INCOME	.0	1.2	.0	1.2	3.4	.2	.0	3.6	4.8
RP 6.02: FOREIGN AGRICULTURAL TRADE & ECONOMIC DEVELOPMENT	.4	.0	.0	.4	.3	.0	.0	.3	.7
RP 6.03: MARKETING & COMPETITION	5.1	3.5	.0	8.6	8.9	.4	.0	9.3	17.9
RP 7.01: GENERAL RESOURCE OR TECHNOLOGY	19.7	.0	.0	19.7	8.9	.0	.0	8.9	28.6
RP 9.01: UNCLASSIFIED	.9	.0	.0	.9	27.4	.0	.3	27.7	28.6
GRAND TOTAL	168.6	5.0	6.0	179.6	256.2	7.6	6.4	270.2	449.8

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978
RESEARCH PROGRAM SUMMARY

REGION 2									
VIRGINIA									
	AR	ESCS	FS	USDA TOTAL	SAES	OTH COOP INSTS	FORESTRY SCHOOLS	CR/SAES TOTAL	TOTAL
RP 1.01: SOIL & LAND USE	.6	.0	.0	.6	8.7	.0	.0	8.7	9.3
RP 1.02: WATER & WATERSHEDS	.0	.0	.0	.0	1.2	.0	.0	1.2	1.2
RP 1.03: RECREATION	.0	.0	.0	.0	.1	.0	.0	.1	.1
RP 1.04: ENVIRONMENTAL QUALITY	.0	.0	.0	.0	3.7	.3	.0	4.0	4.0
RP 1.06: FISH & WILDLIFE	.0	.0	.0	.0	.5	.0	.0	.5	.5
RP 1.07: REMOTE SENSING	.0	.0	.0	.0	1.4	.0	.0	1.4	1.4
RP 2.02: TIMBER MANAGEMENT	.0	.0	.0	.0	4.2	.0	.0	4.2	4.2
RP 2.03: FOREST PROTECTION	.0	.0	.0	.0	3.9	.0	.0	3.9	3.9
RP 2.04: HARVESTING PROCESSING & MARKETING OF FOREST PRODUCTS	.0	.0	.0	.0	6.4	.0	.0	6.4	6.4
RP 2.05: FOREST WATERSHEDS, SOILS, POLLUTION	.0	.0	.0	.0	.0	.0	.0	.0	.0
RP 2.06: FOREST RANGE WILDLIFE & FISHERIES HABITAT DEVELOPMENT	.0	.0	.0	.0	1.8	.0	.0	1.8	1.8
RP 2.07: FOREST RECREATION & AESTHETICS & OTH LANDSCAPE VALUES	.0	.0	.0	.0	.8	.0	.0	.8	.8
RP 2.08: ALTERNATE USES OF LAND	.0	.0	.0	.0	.7	.0	.0	.7	.7
RP 2.09: TECHNICAL ASSISTANCE	.0	.0	.0	.0	.0	.0	.0	.0	.0
RP 3.01: CORN	.0	.0	.0	.0	3.0	.0	.0	3.0	3.0
RP 3.02: GRAIN SORGHUM	.0	.0	.0	.0	.1	.0	.0	.1	.1
RP 3.03: WHEAT	.0	.0	.0	.0	1.1	.0	.0	1.1	1.1
RP 3.04: SMALL GRAINS OTHER THAN WHEAT	.0	.0	.0	.0	1.0	.0	.0	1.0	1.0
RP 3.06: SOYBEANS	.1	.0	.0	.1	6.1	1.6	.0	7.7	7.8
RP 3.07: PEANUTS	4.7	.0	.0	4.7	3.4	.5	.0	3.9	8.5
RP 3.09: FORAGE, RANGE, & PASTURE	.8	.0	.0	.8	6.7	.0	.0	6.7	7.5
RP 3.10: COTTON	.0	.0	.0	.0	.1	.0	.0	.1	.1
RP 3.11: TOBACCO	2.0	.0	.0	2.0	7.1	.0	.0	7.1	9.1
RP 3.12: NEW CROPS & MINOR OILSEEDS	.0	.0	.0	.0	.0	.0	.0	.0	.0
RP 3.13: FRUIT	.0	.0	.0	.0	7.7	.0	.0	7.7	7.7
RP 3.14: VEGETABLE CROPS	.0	.0	.0	.0	1.1	4.2	.0	5.3	5.3
RP 3.15: PLANTS TO ENHANCE THE ENVIRONMENT	.0	.0	.0	.0	5.3	.0	.0	5.3	5.3
RP 4.01: BEEF	.0	.0	.0	.0	10.9	.1	.0	11.0	11.0
RP 4.02: DAIRY	.0	.0	.0	.0	9.3	.0	.0	9.3	9.3
RP 4.03: POULTRY	.0	.0	.0	.0	9.9	1.0	.0	10.9	10.9
RP 4.04: SHEEP	.0	.0	.0	.0	1.7	.0	.0	1.7	1.7
RP 4.05: SWINE	.0	.0	.0	.0	5.3	.1	.0	5.4	5.4
RP 4.06: OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	.0	.0	.0	.0	1.3	.0	.0	1.3	1.3
RP 4.07: AQUATIC FOOD & FEEDSTUFFS	.0	.0	.0	.0	.5	.0	.0	.5	.5
RP 5.01: FOOD & NUTRITION	.0	.0	.0	.0	5.8	3.0	.0	8.8	8.8
RP 5.02: FOOD SAFETY	.3	.0	.0	.3	2.1	.3	.0	2.4	2.7

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978
RESEARCH PROGRAM SUMMARY

REGION 2

VIRGINIA

	AR	ESCS	FS	USDA TOTAL	SAES	OTH COOP INSTS	FORESTRY SCHOOLS	CR/SAES TOTAL	TOTAL
RP 5.03: RURAL DEVELOPMENT & QUALITY OF FAMILY LIVING	.0	.0	.0	.0	6.7	.5	.0	7.2	7.2
RP 5.04: INSECTS AFFECTING MAN & HIS BELONGINGS	.0	.0	.0	.0	2.4	.0	.0	2.4	2.4
RP 6.01: FARM ADJUSTMENT, PRICES & INCOME	.0	.0	.0	.0	2.5	.0	.0	2.5	2.5
RP 6.02: FOREIGN AGRICULTURAL TRADE & ECONOMIC DEVELOPMENT	.0	.0	.0	.0	.3	.0	.0	.3	.3
RP 6.03: MARKETING & COMPETITION	.0	.0	.0	.0	4.8	.3	.0	5.0	5.0
RP 7.01: GENERAL RESOURCE OR TECHNOLOGY	.0	.0	.0	.0	20.0	.0	.0	20.0	20.0
RP 9.01: UNCLASSIFIED	.0	.0	.0	.0	1.0	.0	.0	1.0	1.0
GRAND TOTAL	8.5	.0	.0	8.5	160.8	11.8	.0	172.6	181.1

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978
RESEARCH PROGRAM SUMMARY

REGION 2

PUERTO RICO

	AR	ESCS	FS	USDA TOTAL	SAES	OTH COOP INSTS	FORESTRY SCHOOLS	CR/SAES TOTAL	TOTAL
RP 1.01: SOIL & LAND USE	4.3	.0	.0	4.3	2.0	.0	.0	2.0	6.3
RP 1.02: WATER & WATERSHEDS	.0	.0	.0	.0	.9	.0	.0	.9	.9
RP 1.04: ENVIRONMENTAL QUALITY	.0	.0	.0	.0	4.3	.0	.0	4.3	4.3
RP 1.05: WEATHER MODIFICATION FOR AGRICULTURE & FORESTRY	.0	.0	.0	.0	.4	.0	.0	.4	.4
RP 2.02: TIMBER MANAGEMENT	.0	.0	5.0	5.0	.0	.0	.0	.0	5.0
RP 3.01: CORN	.2	.0	.0	.2	1.0	.0	.0	1.0	1.2
RP 3.02: GRAIN SORGHUM	.4	.0	.0	.4	.7	.0	.0	.7	1.1
RP 3.03: WHEAT	.0	.0	.0	.0	.0	.0	.0	.0	.0
RP 3.04: SMALL GRAINS OTHER THAN WHEAT	.0	.0	.0	.0	.0	.0	.0	.0	.0
RP 3.05: RICE	.0	.0	.0	.0	1.0	.0	.0	1.0	1.0
RP 3.06: SOYBEANS	.3	.0	.0	.3	.7	.0	.0	.7	.9
RP 3.08: SUGAR	.0	.0	.0	.0	20.5	.0	.0	20.5	20.5
RP 3.09: FORAGE, RANGE, & PASTURE	.1	.0	.0	.1	5.5	.0	.0	5.5	5.7
RP 3.11: TOBACCO	.0	.0	.0	.0	.7	.0	.0	.7	.7
RP 3.12: NEW CROPS & MINOR OILSEEDS	.6	.0	.0	.6	4.7	.0	.0	4.7	5.3
RP 3.13: FRUIT	.2	.0	.0	.2	15.1	.0	.0	15.1	15.4
RP 3.14: VEGETABLE CROPS	2.6	.0	.0	2.6	26.7	.0	.0	26.7	29.3
RP 3.15: PLANTS TO ENHANCE THE ENVIRONMENT	.0	.0	.0	.0	3.2	.0	.0	3.2	3.2
RP 4.01: BEEF	.0	.0	.0	.0	.8	.0	.0	.8	.8
RP 4.02: DAIRY	.0	.0	.0	.0	2.9	.0	.0	2.9	2.9
RP 4.03: POULTRY	.0	.0	.0	.0	.8	.0	.0	.8	.8
RP 4.05: SWINE	.0	.0	.0	.0	.4	.0	.0	.4	.4
RP 5.01: FOOD & NUTRITION	.0	.0	.0	.0	1.2	.0	.0	1.2	1.2
RP 5.02: FOOD SAFETY	.0	.0	.0	.0	4.6	.0	.0	4.6	4.6
RP 5.03: RURAL DEVELOPMENT & QUALITY OF FAMILY LIVING	.0	.0	.0	.0	3.3	.0	.0	3.3	3.3
RP 5.05: RESEARCH ON ADMINISTRATION OF RESEARCH	.0	.0	.0	.0	.0	.0	.0	.0	.0
RP 6.01: FARM ADJUSTMENT, PRICES & INCOME	.0	.0	.0	.0	3.7	.0	.0	3.7	3.7
RP 6.02: FOREIGN AGRICULTURAL TRADE & ECONOMIC DEVELOPMENT	.3	.0	.0	.3	.0	.0	.0	.0	.3
RP 6.03: MARKETING & COMPETITION	.0	.0	.0	.0	2.0	.0	.0	2.0	2.0
RP 7.01: GENERAL RESOURCE OR TECHNOLOGY	.0	.0	.0	.0	4.4	.0	.0	4.4	4.4
RP 9.01: UNCLASSIFIED	.0	.0	.0	.0	.9	.0	.0	.9	.9
GRAND TOTAL	9.0	.0	5.0	14.0	112.4	.0	.0	112.4	126.4

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978

RESEARCH PROGRAM SUMMARY

REGION 2

VIRGIN IS

	AR	ESCS	FS	USDA TOTAL	SAES	OTH COOP INSTS	FORESTRY SCHOOLS	CR/SAES TOTAL	TOTAL
RP 1.04: ENVIRONMENTAL QUALITY	.0	.0	.0	.0	.0	.0	.0	.0	.0
RP 3.02: GRAIN SORGHUM	.0	.0	.0	.0	.4	.0	.0	.4	.4
RP 3.09: FORAGE, RANGE, & PASTURE	.0	.0	.0	.0	.9	.0	.0	.9	.9
RP 3.13: FRUIT	.7	.0	.0	.7	.2	.0	.0	.2	.9
RP 3.14: VEGETABLE CROPS	.1	.0	.0	.1	.6	.0	.0	.6	.7
RP 4.01: BEEF	.0	.0	.0	.0	1.0	.0	.0	1.0	1.0
RP 4.07: AQUATIC FOOD & FEEDSTUFFS	.0	.0	.0	.0	1.4	.0	.0	1.4	1.4
GRAND TOTAL	.8	.0	.0	.8	4.4	.0	.0	4.4	5.2

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978
RESEARCH PROGRAM SUMMARY

REGION 3

ALASKA

	AR	ESCS	FS	USDA TOTAL	SAES	OTH COOP INIS	FORESTRY SCHOOLS	CR/SAES TOTAL	TOTAL
RP 1.01: SOIL & LAND USE	.6	.0	.0	.6	.4	.0	.0	.4	1.0
RP 1.03: RECREATION	.0	.0	.0	.0	.6	.0	.0	.6	.6
RP 1.04: ENVIRONMENTAL QUALITY	.0	.0	2.4	2.4	.0	.0	.0	.0	2.4
RP 1.05: WEATHER MODIFICATION FOR AGRICULTURE & FORESTRY	.0	.0	.0	.0	.0	.0	.0	.0	.0
RP 1.06: FISH & WILDLIFE	.0	.0	.0	.0	.0	.0	.0	.0	.0
RP 2.01: INVENTORY & APPRAISAL OF FOREST RESOURCES	.0	.0	3.7	3.7	.1	.0	.0	.1	3.8
RP 2.02: TIMBER MANAGEMENT	.0	.0	3.9	3.9	.7	.0	.0	.7	4.6
RP 2.03: FOREST PROTECTION	.0	.0	2.2	2.2	.0	.0	.0	.0	2.2
RP 2.05: FOREST WATERSHEDS, SOILS, POLLUTION	.0	.0	4.7	4.7	.2	.0	.0	.2	4.9
RP 2.06: FOREST RANGE WILDLIFE & FISHERIES HABITAT DEVELOPMENT	.0	.0	.7	.7	.0	.0	.0	.0	.7
RP 2.08: ALTERNATE USES OF LAND	.0	.0	.0	.0	.0	.0	.0	.0	.0
RP 3.03: WHEAT	.0	.0	.0	.0	.4	.0	.0	.4	.4
RP 3.04: SMALL GRAINS OTHER THAN WHEAT	.4	.0	.0	.4	1.0	.0	.0	1.0	1.4
RP 3.09: FORAGE, RANGE, & PASTURE	1.7	.0	.0	1.7	.9	.0	.0	.9	2.6
RP 3.12: NEW CROPS & MINOR OILSEEDS	.0	.0	.0	.0	.0	.0	.0	.0	.0
RP 3.13: FRUIT	.1	.0	.0	.1	.2	.0	.0	.2	.3
RP 3.14: VEGETABLE CROPS	1.4	.0	.0	1.4	.6	.0	.0	.6	2.0
RP 3.15: PLANTS TO ENHANCE THE ENVIRONMENT	.6	.0	.0	.6	.3	.0	.0	.3	.9
RP 4.01: BEEF	.0	.0	.0	.0	.0	.0	.0	.0	.0
RP 4.02: DAIRY	.0	.0	.0	.0	1.1	.0	.0	1.1	1.1
RP 4.05: SWINE	.0	.0	.0	.0	.9	.0	.0	.9	.9
RP 4.06: OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	.2	.0	.0	.2	.0	.0	.0	.0	.2
RP 5.03: RURAL DEVELOPMENT & QUALITY OF FAMILY LIVING	.0	.0	.0	.0	.6	.0	.0	.6	.6
RP 6.01: FARM ADJUSTMENT, PRICES & INCOME	.0	.0	.0	.0	.6	.0	.0	.6	.6
RP 6.02: FOREIGN AGRICULTURAL TRADE & ECONOMIC DEVELOPMENT	.0	.0	.0	.0	.2	.0	.0	.2	.2
RP 6.03: MARKETING & COMPETITION	.0	.0	.0	.0	.6	.0	.0	.6	.6
GRAND TOTAL	5.0	.0	17.6	22.6	9.4	.0	.0	9.4	32.0

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978

RESEARCH PROGRAM SUMMARY

REGION 3

ILLINOIS

	AR	ESCS	FS	USDA TOTAL	SAES	OTH COOP INSTS	FORESTRY SCHOOLS	CR/SAES TOTAL	TOTAL
RP 1.01: SOIL & LAND USE	3.8	.0	.0	3.8	11.7	.0	.0	11.7	15.5
RP 1.02: WATER & WATERSHEDS	2.6	.0	.0	2.6	1.8	.0	.0	1.8	4.4
RP 1.03: RECREATION	.0	.0	.0	.0	.0	.0	.0	.0	.0
RP 1.04: ENVIRONMENTAL QUALITY	12.3	.0	.0	12.3	3.4	.0	.2	3.6	15.9
RP 1.05: WEATHER MODIFICATION FOR AGRICULTURE & FORESTRY	.0	.0	.0	.0	.6	.0	.0	.6	.6
RP 2.01: INVENTORY & APPRAISAL OF FOREST RESOURCES	.0	.0	.0	.0	.7	.0	.5	1.2	1.2
RP 2.02: TIMBER MANAGEMENT	.0	.0	6.0	6.0	1.5	.0	1.6	3.1	9.1
RP 2.03: FOREST PROTECTION	.0	.0	2.0	2.0	.4	.0	.0	.4	2.4
RP 2.04: HARVESTING PROCESSING & MARKETING OF FOREST PRODUCTS	.0	.0	4.2	4.2	1.7	.0	.1	1.8	6.0
RP 2.05: FOREST WATERSHEDS, SOILS, POLLUTION	.0	.0	.0	.0	2.1	.0	.8	2.9	2.9
RP 2.06: FOREST RANGE WILDLIFE & FISHERIES HABITAT DEVELOPMENT	.0	.0	.0	.0	.0	.0	.0	.0	.0
RP 2.07: FOREST RECREATION & AESTHETICS & OTH LANDSCAPE VALUES	.0	.0	.0	.0	.8	.0	.6	1.3	1.3
RP 2.08: ALTERNATE USES OF LAND	.0	.0	.0	.0	.3	.0	.1	.3	.3
RP 3.01: CORN	26.9	.0	.0	26.9	9.8	.0	.0	9.8	36.8
RP 3.02: GRAIN SORGHUM	3.7	.0	.0	3.7	.6	.0	.0	.6	4.3
RP 3.03: WHEAT	12.6	.0	.0	12.6	.9	.0	.0	.9	13.5
RP 3.04: SMALL GRAINS OTHER THAN WHEAT	1.9	.0	.0	1.9	.9	.0	.0	.8	2.7
RP 3.05: RICE	.0	.0	.0	.0	.1	.0	.0	.1	.1
RP 3.06: SOYBEANS	44.5	.0	.0	44.5	18.6	.0	.0	18.6	63.2
RP 3.08: SUGAR	.0	.0	.0	.0	.0	.0	.0	.0	.0
RP 3.09: FORAGE, RANGE, & PASTURE	.0	.0	.0	.0	4.0	.0	.0	4.0	4.0
RP 3.10: COTTON	.0	.0	.0	.0	.0	.0	.0	.0	.0
RP 3.12: NEW CROPS & MINOR OILSEEDS	14.6	.0	.0	14.6	.1	.0	.0	.1	14.7
RP 3.13: FRUIT	.7	.0	.0	.7	4.9	.0	.0	4.9	5.6
RP 3.14: VEGETABLE CROPS	.4	.0	.0	.4	6.0	.0	.0	6.0	6.4
RP 3.15: PLANTS TO ENHANCE THE ENVIRONMENT	.0	.0	.0	.0	3.6	.0	.0	3.6	3.6
RP 3.16: BEES & OTHER POLLINATING INSECTS	.0	.0	.0	.0	.6	.0	.0	.6	.6
RP 4.01: BEEF	1.2	.0	.0	1.2	5.4	.0	.0	5.4	6.6
RP 4.02: DAIRY	.7	.0	.0	.7	12.2	.0	.0	12.2	12.9
RP 4.03: POULTRY	.0	.0	.0	.0	1.7	.0	.0	1.7	1.7
RP 4.04: SHEEP	.2	.0	.0	.2	2.9	.0	.0	2.9	3.1
RP 4.05: SWINE	.0	.0	.0	.0	7.3	.0	.3	7.6	7.6
RP 4.06: OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	.0	.0	.0	.0	3.5	.0	.0	3.5	3.5
RP 5.01: FOOD & NUTRITION	8.2	.0	.0	8.2	8.1	.0	.0	8.1	16.3
RP 5.02: FOOD SAFETY	25.0	.0	.0	25.0	1.1	.0	.0	1.1	26.1
RP 5.03: RURAL DEVELOPMENT & QUALITY OF FAMILY LIVING	.0	.0	.0	.0	9.6	.0	.0	9.6	9.6

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978
RESEARCH PROGRAM SUMMARY

REGION 3

ILLINOIS

	AR	ESCS	FS	USDA TOTAL	SAES	OTH COOP INSTS	FORESTRY SCHOOLS	CR/SAES TOTAL	TOTAL
RP 5.05: RESEARCH ON ADMINISTRATION OF RESEARCH	.0	.0	.0	.0	.3	.0	.0	.3	.3
RP 6.01: FARM ADJUSTMENT, PRICES & INCOME	.0	1.2	.0	1.2	11.2	.0	.0	11.2	12.4
RP 6.02: FOREIGN AGRICULTURAL TRADE & ECONOMIC DEVELOPMENT	1.6	.0	.0	1.6	.5	.0	.0	.5	2.1
RP 6.03: MARKETING & COMPETITION	.0	2.3	.0	2.3	3.7	.0	.0	3.7	6.0
RP 7.01: GENERAL RESOURCE OR TECHNOLOGY	27.4	.0	.0	27.4	9.9	.0	.0	9.9	37.3
RP 9.01: UNCLASSIFIED	.0	.0	.0	.0	.8	.0	.9	1.7	1.7
GRAND TOTAL	188.3	3.5	12.2	204.0	153.4	.0	5.0	158.4	362.4

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978
RESEARCH PROGRAM SUMMARY

REGION 3

INDIANA

	AR	ESCS	FS	USDA TOTAL	SAES	OTH COOP INSTS	FORESTRY SCHOOLS	CR/SAES TOTAL	TOTAL
RP 1.01: SOIL & LAND USE	.8	.0	.0	.8	8.9	.0	.0	8.9	9.7
RP 1.02: WATER & WATERSHEDS	1.9	.0	.0	1.9	3.4	.0	.0	3.4	5.3
RP 1.03: RECREATION	.0	.0	.0	.0	.0	.0	.0	.0	.0
RP 1.04: ENVIRONMENTAL QUALITY	.0	.0	.0	.0	7.7	.0	.0	7.7	7.7
RP 1.05: WEATHER MODIFICATION FOR AGRICULTURE & FORESTRY	.0	.0	.0	.0	1.9	.0	.0	1.9	1.9
RP 1.06: FISH & WILDLIFE	.0	.0	.0	.0	1.6	.0	.0	1.6	1.6
RP 1.07: REMOTE SENSING	.0	.0	.0	.0	.0	.0	.0	.0	.0
RP 2.01: INVENTORY & APPRAISAL OF FOREST RESOURCES	.0	.0	.0	.0	1.8	.0	.0	1.8	1.8
RP 2.02: TIMBER MANAGEMENT	.0	.0	.0	.0	2.1	.0	.0	2.1	2.1
RP 2.03: FOREST PROTECTION	.0	.0	.0	.0	.3	.0	.0	.3	.3
RP 2.04: HARVESTING PROCESSING & MARKETING OF FOREST PRODUCTS	.0	.0	.0	.0	4.1	.0	.0	4.1	4.1
RP 2.05: FOREST WATERSHEDS, SOILS, POLLUTION	.0	.0	.0	.0	1.3	.0	.0	1.3	1.3
RP 2.06: FOREST RANGE WILDLIFE & FISHERIES HABITAT DEVELOPMENT	.0	.0	.0	.0	.4	.0	.0	.4	.4
RP 2.07: FOREST RECREATION & AESTHETICS & OTH LANDSCAPE VALUES	.0	.0	.0	.0	.8	.0	.0	.8	.8
RP 2.08: ALTERNATE USES OF LAND	.0	.0	.0	.0	.6	.0	.0	.6	.6
RP 3.01: CORN	1.7	.0	.0	1.7	12.6	.0	.0	12.6	14.3
RP 3.02: GRAIN SORGHUM	.3	.0	.0	.3	1.2	.0	.0	1.2	1.5
RP 3.03: WHEAT	2.8	.0	.0	2.8	4.4	.0	.0	4.4	7.2
RP 3.04: SMALL GRAINS OTHER THAN WHEAT	.8	.0	.0	.8	.4	.0	.0	.4	1.2
RP 3.06: SOYBEANS	2.1	.0	.0	2.1	7.1	.0	.0	7.1	9.2
RP 3.08: SUGAR	.0	.0	.0	.0	.1	.0	.0	.1	.1
RP 3.09: FORAGE, RANGE, & PASTURE	1.0	.0	.0	1.0	5.2	.0	.0	5.2	6.2
RP 3.12: NEW CROPS & MINOR OILSEEDS	.0	.0	.0	.0	3.9	.0	.0	3.9	3.9
RP 3.13: FRUIT	2.0	.0	.0	2.0	3.4	.0	.0	3.4	5.4
RP 3.14: VEGETABLE CROPS	1.0	.0	.0	1.0	7.0	.0	.0	7.0	8.0
RP 3.15: PLANTS TO ENHANCE THE ENVIRONMENT	.0	.0	.0	.0	2.6	.0	.0	2.6	2.6
RP 4.01: BEEF	.0	.0	.0	.0	6.7	.0	.0	6.7	6.7
RP 4.02: DAIRY	.0	.0	.0	.0	8.4	.0	.0	8.4	8.4
RP 4.03: POULTRY	2.0	.0	.0	2.0	7.7	.0	.0	7.7	9.7
RP 4.04: SHEEP	.0	.0	.0	.0	2.3	.0	.0	2.3	2.3
RP 4.05: SWINE	.4	.0	.0	.4	13.3	.0	.0	13.3	13.7
RP 4.06: OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	.0	.0	.0	.0	3.2	.0	.0	3.2	3.2
RP 5.01: FOOD & NUTRITION	.0	.0	.0	.0	3.3	.0	.0	3.3	3.3
RP 5.02: FOOD SAFETY	.2	.0	.0	.2	2.4	.0	.0	2.4	2.6
RP 5.03: RURAL DEVELOPMENT & QUALITY OF FAMILY LIVING	.0	.0	.0	.0	6.8	.0	.0	6.8	6.8
RP 5.04: INSECTS AFFECTING MAN & HIS BELONGINGS	.0	.0	.0	.0	3.1	.0	.0	3.1	3.1

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978
RESEARCH PROGRAM SUMMARY

REGION 3

INDIANA

	AR	ESCS	FS	USDA TOTAL	SAES	OTH COOP INSTS	FORESTRY SCHOOLS	CF/SAES TOTAL	TOTAL
RP 6.01: FARM ADJUSTMENT, PRICES & INCOME	.0	1.7	.0	1.7	7.5	.0	.0	7.5	9.2
RP 6.02: FOREIGN AGRICULTURAL TRADE & ECONOMIC DEVELOPMENT	.0	.0	.0	.0	1.7	.0	.0	1.7	1.7
RP 6.03: MARKETING & COMPETITION	.0	1.6	.0	1.6	5.6	.0	.0	5.6	7.2
RP 7.01: GENERAL RESOURCE OR TECHNOLOGY	2.6	.0	.0	2.6	33.3	.0	.0	33.3	35.9
RP 9.01: UNCLASSIFIED	.0	.0	.0	.0	.0	.0	.0	.0	.0
GRAND TOTAL	19.6	3.3	.0	22.9	188.0	.0	.0	188.0	210.9

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978
RESEARCH PROGRAM SUMMARY

REGION 3

IOWA

	AR	ESCS	FS	USDA TOTAL	SAES	OTH COOP INSTS	FORESTRY SCHOOLS	CR/SAES TOTAL	TOTAL
RP 1.01: SOIL & LAND USE	1.2	.5	.0	1.7	8.9	.0	.0	8.9	10.6
RP 1.02: WATER & WATERSHEDS	.1	.3	.0	.4	2.7	.0	.0	2.7	3.1
RP 1.04: ENVIRONMENTAL QUALITY	.0	1.0	.0	1.0	5.0	.0	.0	5.0	6.0
RP 1.05: WEATHER MODIFICATION FOR AGRICULTURE & FORESTRY	.0	.2	.0	.2	1.9	.0	.0	1.9	2.2
RP 1.06: FISH & WILDLIFE	.0	.0	.0	.0	1.1	.0	.0	1.1	1.1
RP 1.07: REMOTE SENSING	.0	.0	.0	.0	.1	.0	.0	.1	.1
RP 2.01: INVENTORY & APPRAISAL OF FOREST RESOURCES	.0	.0	.0	.0	.1	.0	.0	.1	.1
RP 2.02: TIMBER MANAGEMENT	.0	.0	.0	.0	1.9	.0	.0	1.9	1.9
RP 2.03: FOREST PROTECTION	.0	.0	.0	.0	.2	.0	.0	.2	.2
RP 2.04: HARVESTING PROCESSING & MARKETING OF FOREST PRODUCTS	.0	.0	.0	.0	.0	.0	.0	.0	.0
RP 2.05: FOREST WATERSHEDS, SOILS, POLLUTION	.0	.0	.0	.0	.1	.0	.0	.1	.1
RP 2.07: FOREST RECREATION & AESTHETICS & OTH LANDSCAPE VALUES	.0	.0	.0	.0	.5	.0	.0	.5	.5
RP 2.08: ALTERNATE USES OF LAND	.0	.0	.0	.0	.3	.0	.0	.3	.3
RP 3.01: CORN	9.7	.0	.0	9.7	15.0	.0	.0	15.0	24.7
RP 3.02: GRAIN SORGHUM	.0	.0	.0	.0	.6	.0	.0	.6	.6
RP 3.04: SMALL GRAINS OTHER THAN WHEAT	.6	.0	.0	.6	3.3	.0	.0	3.3	3.9
RP 3.06: SOYBEANS	5.2	.0	.0	5.2	10.2	.0	.0	10.2	15.4
RP 3.09: FORAGE, RANGE, & PASTURE	.0	.0	.0	.0	3.2	.0	.0	3.2	3.2
RP 3.12: NEW CROPS & MINOR OILSEEDS	.1	.0	.0	.1	.4	.0	.0	.4	.5
RP 3.13: FRUIT	.0	.0	.0	.0	1.9	.0	.0	1.9	1.9
RP 3.14: VEGETABLE CROPS	.0	.0	.0	.0	1.0	.0	.0	1.0	1.0
RP 3.15: PLANTS TO ENHANCE THE ENVIRONMENT	.4	.0	.0	.4	3.0	.0	.0	3.0	3.4
RP 4.01: BEEF	15.5	.0	.0	15.5	8.3	.0	.0	8.3	23.8
RP 4.02: DAIRY	15.0	.0	.0	15.0	4.8	.0	.0	4.8	19.8
RP 4.03: POULTRY	9.0	.0	.0	9.0	3.3	.0	.0	3.3	12.2
RP 4.04: SHEEP	2.5	.0	.0	2.5	.5	.0	.0	.5	3.0
RP 4.05: SWINE	14.9	.0	.0	14.9	8.9	.0	.0	8.9	23.8
RP 4.06: OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	1.0	.0	.0	1.0	1.4	.0	.0	1.4	2.5
RP 4.07: AQUATIC FOOD & FEEDSTUFFS	.0	.0	.0	.0	.3	.0	.0	.3	.3
RP 5.01: FOOD & NUTRITION	.0	.0	.0	.0	3.1	.0	.0	3.1	3.1
RP 5.02: FOOD SAFETY	.0	.0	.0	.0	2.7	.0	.0	2.7	2.7
RP 5.03: RURAL DEVELOPMENT & QUALITY OF FAMILY LIVING	.0	.5	.0	.5	7.5	.0	.0	7.5	8.0
RP 5.04: INSECTS AFFECTING MAN & HIS BELONGINGS	.0	.0	.0	.0	.2	.0	.0	.2	.2
RP 5.05: RESEARCH ON ADMINISTRATION OF RESEARCH	.0	.0	.0	.0	.9	.0	.0	.9	.9
RP 6.01: FARM ADJUSTMENT, PRICES & INCOME	.6	.0	.0	.6	3.8	.0	.0	3.8	4.4
RP 6.02: FOREIGN AGRICULTURAL TRADE & ECONOMIC DEVELOPMENT	.0	.0	.0	.0	1.4	.0	.0	1.4	1.4

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978

REGION 3

RESEARCH PROGRAM SUMMARY

IOWA

	AR	ESCS	FS	USDA TOTAL	SAES	OTH COOP INSTS	FORESTRY SCHOOLS	CR/SAES TOTAL	TOTAL
RP 6-03: MARKETING & COMPETITION	.0	.0	.0	.0	3.6	.0	.0	3.6	3.6
RP 7-01: GENERAL RESOURCE OR TECHNOLOGY	3.5	.0	.0	3.5	6.4	.0	.0	6.4	10.0
RP 9-01: UNCLASSIFIED	.0	.0	.0	.0	3.1	.0	.0	3.1	3.1
GRAND TOTAL	79.4	2.5	.0	81.9	121.7	.0	.0	121.7	203.6

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978
RESEARCH PROGRAM SUMMARY

REGION 3

KANSAS

	AR	ESCS	FS	USDA TOTAL	SAES	OTH COOP INSTS	FORESTRY SCHOOLS	CR/SAES TOTAL	TOTAL
RP 1.01: SOIL & LAND USE	2.6	.0	.0	2.6	4.2	.0	.0	4.2	6.7
RP 1.02: WATER & WATERSHEDS	2.1	.0	.0	2.1	8.2	.0	.0	8.2	10.3
RP 1.04: ENVIRONMENTAL QUALITY	.0	.0	.0	.0	3.7	.0	.0	3.7	3.7
RP 1.05: WEATHER MODIFICATION FOR AGRICULTURE & FORESTRY	.3	.0	.0	.3	2.1	.0	.0	2.1	2.4
RP 1.06: FISH & WILDLIFE	.0	.0	.0	.0	.7	.0	.0	.7	.7
RP 2.01: INVENTORY & APPRAISAL OF FOREST RESOURCES	.0	.0	.0	.0	.3	.0	.0	.3	.3
RP 2.02: TIMBER MANAGEMENT	.0	.0	.0	.0	2.5	.0	.0	2.5	2.5
RP 2.03: FOREST PROTECTION	.0	.0	.0	.0	1.2	.0	.0	1.2	1.2
RP 2.05: FOREST WATERSHEDS, SOILS, POLLUTION	.0	.0	.0	.0	.0	.0	.0	.0	.0
RP 2.06: FOREST RANGE WILDLIFE & FISHERIES HABITAT DEVELOPMENT	.0	.0	.0	.0	.1	.0	.0	.1	.1
RP 2.07: FOREST RECREATION & AESTHETICS & OTH LANDSCAPE VALUES	.0	.0	.0	.0	.5	.0	.0	.5	.5
RP 3.01: CORN	5.1	.2	.0	5.3	9.2	.0	.0	9.2	14.5
RP 3.02: GRAIN SORGHUM	2.5	.1	.0	2.7	10.8	.0	.0	10.8	13.4
RP 3.03: WHEAT	12.9	.2	.0	13.1	18.9	.0	.0	18.9	32.0
RP 3.04: SMALL GRAINS OTHER THAN WHEAT	1.1	.1	.0	1.2	2.2	.0	.0	2.2	3.4
RP 3.05: RICE	1.1	.1	.0	1.2	.0	.0	.0	.0	1.3
RP 3.06: SOYBEANS	1.2	.0	.0	1.2	4.3	.0	.0	4.3	5.5
RP 3.08: SUGAR	.0	.0	.0	.0	.7	.0	.0	.7	.7
RP 3.09: FORAGE, RANGE, & PASTURE	1.1	.1	.0	1.2	9.0	.0	.0	9.0	10.2
RP 3.12: NEW CROPS & MINOR OILSEEDS	.0	.0	.0	.0	1.7	.0	.0	1.7	1.7
RP 3.13: FRUIT	.0	.0	.0	.0	3.1	.0	.0	3.1	3.1
RP 3.14: VEGETABLE CROPS	.0	.0	.0	.0	1.6	.0	.0	1.6	1.6
RP 3.15: PLANTS TO ENHANCE THE ENVIRONMENT	.0	.0	.0	.0	3.4	.0	.0	3.4	3.4
RP 3.16: BEES & OTHER POLLINATING INSECTS	.2	.0	.0	.2	.1	.0	.0	.1	.3
RP 4.01: BEEF	.3	.0	.0	.3	14.7	.0	.0	14.7	15.0
RP 4.02: DAIRY	.0	.0	.0	.0	7.1	.0	.0	7.1	7.1
RP 4.03: POULTRY	.0	.0	.0	.0	6.1	.0	.0	6.1	6.1
RP 4.04: SHEEP	.0	.0	.0	.0	2.4	.0	.0	2.4	2.4
RP 4.05: SWINE	.0	.0	.0	.0	3.7	.0	.0	3.7	3.7
RP 4.06: OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	.0	.0	.0	.0	1.3	.0	.0	1.3	1.3
RP 4.07: AQUATIC FOOD & FEEDSTUFFS	.0	.0	.0	.0	.9	.0	.0	.9	.9
RP 5.01: FOOD & NUTRITION	.0	.0	.0	.0	3.6	.0	.0	3.6	3.6
RP 5.02: FOOD SAFETY	1.1	.0	.0	1.1	.9	.0	.0	.9	2.0
RP 5.03: RURAL DEVELOPMENT & QUALITY OF FAMILY LIVING	.0	.0	.0	.0	8.7	.0	.0	8.7	8.7
RP 5.04: INSECTS AFFECTING MAN & HIS BELONGINGS	.0	.0	.0	.0	.8	.0	.0	.8	.8
RP 6.01: FARM ADJUSTMENT, PRICES & INCOME	1.1	.0	.0	1.1	2.5	.0	.0	2.5	3.6

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978
RESEARCH PROGRAM SUMMARY

REGION 3

KANSAS

	AR	ESCS	FS	USDA TOTAL	SAES	OTH COOP INSTS	FORESTRY SCHOOLS	CR/SAES TOTAL	TOTAL
RP 6.02: FOREIGN AGRICULTURAL TRADE & ECONOMIC DEVELOPMENT	.0	.0	.0	.0	5.4	.0	.0	5.4	5.4
RP 6.03: MARKETING & COMPETITION	2.7	2.3	.0	5.0	3.8	.0	.0	3.8	8.7
RP 7.01: GENERAL RESOURCE OR TECHNOLOGY	.1	.0	.0	.1	17.8	.0	.0	17.8	17.9
RP 9.01: UNCLASSIFIED	.0	.0	.0	.0	9.0	.0	.0	9.0	9.0
GRAND TOTAL	35.4	3.2	.0	38.6	177.0	.0	.0	177.0	215.6

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978
RESEARCH PROGRAM SUMMARY

	REGION 3								
	MICHIGAN								
	AR	FSCS	FS	USDA TOTAL	SAES	MICHIGAN ANN ARBOR	MICHIGAN HOUGHTON	CR/SAES TOTAL	TOTAL
RP 1.01: SOIL & LAND USE	.0	3.3	.0	3.3	6.7	.0	.0	6.7	10.0
RP 1.02: WATER & WATERSHEDS	.0	.0	1.5	1.5	1.1	.0	.0	1.1	2.6
RP 1.03: RECREATION	.0	.0	.0	.0	1.6	.0	.0	1.6	1.6
RP 1.04: ENVIRONMENTAL QUALITY	.2	.5	.0	.7	9.3	.0	.0	9.3	10.0
RP 1.05: WEATHER MODIFICATION FOR AGRICULTURE & FORESTRY	.0	.0	.0	.0	.3	.0	.0	.3	.3
RP 1.06: FISH & WILDLIFE	.0	.0	.0	.0	3.4	.0	.0	3.4	3.4
RP 1.07: REMOTE SENSING	.0	.0	.0	.0	.6	.0	.0	.6	.6
RP 2.01: INVENTORY & APPRAISAL OF FOREST RESOURCES	.0	.0	.0	.0	.4	.7	.4	1.5	1.5
RP 2.02: TIMBER MANAGEMENT	.0	.0	5.9	5.9	2.9	1.2	1.2	5.3	11.2
RP 2.03: FOREST PROTECTION	.0	.0	5.1	5.1	1.0	1.0	.4	2.4	7.5
RP 2.04: HARVESTING PROCESSING & MARKETING OF FOREST PRODUCTS	.0	.0	4.0	4.0	2.8	.0	8.5	11.2	15.2
RP 2.05: FOREST WATERSHEDS, SOILS, POLLUTION	.0	.0	.6	.6	.4	.4	1.3	2.1	2.7
RP 2.06: FOREST RANGE WILDLIFE & FISHERIES HABITAT DEVELOPMENT	.0	.0	.0	.0	.2	.4	.0	.6	.6
RP 2.07: FOREST RECREATION & AESTHETICS & OTH LANDSCAPE VALUES	.0	.0	.0	.0	.4	.4	.0	.8	.8
RP 2.08: ALTERNATE USES OF LAND	.0	.0	.0	.0	.9	1.8	.2	2.9	2.9
RP 3.01: CORN	.0	.0	.0	.0	2.7	.0	.0	2.7	2.7
RP 3.02: GRAIN SORGHUM	.0	.0	.0	.0	.5	.0	.0	.5	.5
RP 3.03: WHEAT	2.7	.0	.0	2.7	2.5	.0	.0	2.5	5.2
RP 3.04: SMALL GRAINS OTHER THAN WHEAT	2.3	.0	.0	2.3	2.9	.0	.0	2.9	5.1
RP 3.06: SOYBEANS	.0	.0	.0	.0	2.2	.0	.0	2.2	2.2
RP 3.08: SUGAR	2.0	.0	.0	2.0	.3	.0	.0	.3	2.3
RP 3.09: FORAGE, RANGE, & PASTURE	.0	.0	.0	.0	3.9	.0	.0	3.9	3.9
RP 3.12: NEW CROPS & MINOR OILSEEDS	.0	.0	.0	.0	.2	.0	.0	.2	.2
RP 3.13: FRUIT	3.4	.0	.0	3.4	15.0	.0	.0	15.0	18.3
RP 3.14: VEGETABLE CROPS	2.7	.0	.0	2.7	13.3	.0	.0	13.3	15.9
RP 3.15: PLANTS TO ENHANCE THE ENVIRONMENT	.0	.0	.0	.0	5.6	.2	.0	5.8	5.8
RP 3.16: BEES & OTHER POLLINATING INSECTS	.0	.0	.0	.0	.0	.0	.0	.0	.0
RP 4.01: BEEF	.0	.0	.0	.0	3.3	.0	.0	3.3	3.3
RP 4.02: DAIRY	.0	.0	.0	.0	9.6	.0	.0	9.6	9.6
RP 4.03: POULTRY	10.0	.0	.0	10.0	5.9	.0	.0	5.9	15.9
RP 4.04: SHEEP	.0	.0	.0	.0	.7	.0	.0	.7	.7
RP 4.05: SWINE	.0	.0	.0	.0	3.9	.0	.0	3.9	3.9
RP 4.06: OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	.0	.0	.0	.0	1.3	.0	.0	1.3	1.3
RP 4.07: AQUATIC FOOD & FEEDSTUFFS	.0	.0	.0	.0	.4	.0	.0	.4	.4
PP 5.01: FOOD & NUTRITION	.0	.0	.0	.0	6.0	.0	.0	6.0	6.0
RP 5.02: FOOD SAFETY	.0	.0	.0	.0	4.4	.0	.0	4.4	4.4

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978
RESEARCH PROGRAM SUMMARY

	REGION 3								
	MICHIGAN								
	AR	ESCS	FS	USDA TOTAL	SAES	MICHIGAN ANN ARBOR	MICHIGAN HOUGHTON	CR/SAES TOTAL	TOTAL
RP 5.03: RURAL DEVELOPMENT & QUALITY OF FAMILY LIVING	.0	.0	.0	.0	9.2	.0	.0	9.2	9.2
RP 5.04: INSECTS AFFECTING MAN & HIS BELONGINGS	.0	.0	.0	.0	.4	.0	.0	.4	.4
RP 5.05: RESEARCH ON ADMINISTRATION OF RESEARCH	.0	.0	.0	.0	.8	.0	.0	.8	.8
RP 6.01: FARM ADJUSTMENT, PRICES & INCOME	.0	.0	.0	.0	7.2	.0	.0	7.2	7.2
RP 6.02: FOREIGN AGRICULTURAL TRADE & ECONOMIC DEVELOPMENT	.0	.0	.0	.0	1.4	.0	.0	1.4	1.4
RP 6.03: MARKETING & COMPETITION	.0	.2	.0	.2	3.8	.0	.0	3.8	4.0
RP 7.01: GENERAL RESOURCE OR TECHNOLOGY	.0	.0	.0	.0	29.5	.0	.0	29.5	29.5
RP 9.01: UNCLASSIFIED	.0	.0	.0	.0	.9	.0	.3	1.2	1.2
GRAND TOTAL	23.2	4.0	17.1	44.3	169.4	6.1	12.2	187.7	232.0

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978
RESEARCH PROGRAM SUMMARY

REGION 3

MINNESOTA

	AR	ESCS	FS	USDA TOTAL	SAES	OTH COOP INSTS	FORESTRY SCHOOLS	CR/SAES TOTAL	TOTAL
RP 1.01: SOIL & LAND USE	7.0	.0	.0	7.0	8.8	.0	.0	8.8	15.8
RP 1.02: WATER & WATERSHEDS	4.9	.0	.0	4.9	.7	.0	.0	.7	5.6
RP 1.03: RECREATION	.0	.0	.0	.0	.1	.0	.0	.1	.1
RP 1.04: ENVIRONMENTAL QUALITY	5.6	.2	.0	5.8	3.6	.0	.0	3.6	9.3
RP 1.05: WEATHER MODIFICATION FOR AGRICULTURE & FORESTRY	.4	.0	.0	.4	.7	.0	.0	.7	1.1
RP 1.06: FISH & WILDLIFE	.0	.0	.0	.0	3.0	.0	.0	3.0	3.0
RP 1.07: REMOTE SENSING	.0	.0	.0	.0	.4	.0	.0	.4	.4
RP 2.01: INVENTORY & APPRAISAL OF FOREST RESOURCES	.0	.0	6.0	6.0	1.8	.0	.0	1.8	7.8
RP 2.02: TIMBER MANAGEMENT	.0	.0	9.0	9.0	6.0	.0	.0	6.0	15.0
RP 2.03: FOREST PROTECTION	.0	.0	7.0	7.0	1.8	.0	.0	1.8	8.8
RP 2.04: HARVESTING PROCESSING & MARKETING OF FOREST PRODUCTS	.0	.0	4.0	4.0	6.9	.0	.0	6.9	10.9
RP 2.05: FOREST WATERSHEDS, SOILS, POLLUTION	.0	.0	2.7	2.7	1.7	.0	.0	1.7	4.4
RP 2.06: FOREST RANGE WILDLIFE & FISHERIES HABITAT DEVELOPMENT	.0	.0	.4	.4	1.4	.0	.0	1.4	1.8
RP 2.07: FOREST RECREATION & AESTHETICS & OTH LANDSCAPE VALUES	.0	.0	1.6	1.6	1.6	.0	.0	1.8	3.4
RP 2.08: ALTERNATE USES OF LAND	.0	.0	3.0	3.0	1.0	.0	.0	1.0	4.0
RP 3.01: CORN	.1	.0	.0	.1	9.9	.0	.0	9.9	10.0
RP 3.03: WHEAT	3.1	.0	.0	3.1	2.5	.0	.0	2.5	5.6
RP 3.04: SMALL GRAINS OTHER THAN WHEAT	2.4	.0	.0	2.4	5.3	.0	.0	5.3	7.6
RP 3.05: RICE	.0	.0	.0	.0	1.9	.0	.0	1.9	1.9
RP 3.06: SOYBEANS	1.0	.0	.0	1.0	6.3	.0	.0	6.3	7.3
RP 3.09: FORAGE, RANGE, & PASTURE	5.0	.0	.0	5.0	5.1	.0	.0	5.1	10.1
RP 3.12: NEW CROPS & MINOR OILSEEDS	.0	.0	.0	.0	3.3	.0	.0	3.3	3.3
RP 3.13: FRUIT	.0	.0	.0	.0	2.1	.0	.0	2.1	2.1
RP 3.14: VEGETABLE CROPS	3.2	.0	.0	3.2	12.4	.0	.0	12.4	15.6
RP 3.15: PLANTS TO ENHANCE THE ENVIRONMENT	.0	.0	.0	.0	5.6	.0	.0	5.6	5.6
RP 3.16: BEES & OTHER POLLINATING INSECTS	.0	.0	.0	.0	.3	.0	.0	.3	.3
RP 4.01: BEEF	.0	.0	.0	.0	3.7	.0	.0	3.7	3.7
RP 4.02: DAIRY	.0	.0	.0	.0	10.6	.0	.0	10.6	10.6
RP 4.03: POULTRY	.6	.0	.0	.6	7.6	.0	.0	7.6	8.2
RP 4.04: SHEEP	.0	.0	.0	.0	3.0	.0	.0	3.0	3.0
RP 4.05: SWINE	.0	.0	.0	.0	6.8	.0	.0	6.8	6.8
RP 4.06: OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	.0	.0	.0	.0	.8	.0	.0	.8	.8
RP 4.07: AQUATIC FOOD & FEEDSTUFFS	.0	.0	.0	.0	.2	.0	.0	.2	.2
RP 5.01: FOOD & NUTRITION	.0	.0	.0	.0	5.8	.0	.0	5.8	5.8
RP 5.02: FOOD SAFETY	.0	.0	.0	.0	4.1	.0	.0	4.1	4.1
RP 5.03: RURAL DEVELOPMENT & QUALITY OF FAMILY LIVING	.0	.4	.0	.4	12.7	.0	.0	12.7	13.1

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978

RESEARCH PROGRAM SUMMARY

REGION 3

MINNESOTA

	AR	ESCS	FS	USDA TOTAL	SAES	OTH COOP INSTS	FORESTRY SCHOOLS	CR/SAES TOTAL	TOTAL
RP 5.04: INSECTS AFFECTING MAN & HIS BELONGINGS	.0	.0	.0	.0	.8	.0	.0	.8	.8
RP 5.05: RESEARCH ON ADMINISTRATION OF RESEARCH	.0	.0	.0	.0	1.2	.0	.0	1.2	1.2
RP 6.01: FARM ADJUSTMENT, PRICES & INCOME	.0	.9	.0	.9	1.6	.0	.0	1.6	2.5
RP 6.02: FOREIGN AGRICULTURAL TRADE & ECONOMIC DEVELOPMENT	.0	.0	.0	.0	1.1	.0	.0	1.1	1.1
RP 6.03: MARKETING & COMPETITION	2.0	1.5	.0	3.5	3.5	.0	.0	3.5	7.0
RP 7.01: GENERAL RESOURCE OR TECHNOLOGY	.8	.0	.0	.8	11.8	.0	.0	11.8	12.7
RP 9.01: UNCLASSIFIED	.0	.0	.0	.0	.2	.0	.0	.2	.2
GRAND TOTAL	36.0	3.0	33.7	72.7	169.7	.0	.0	169.7	242.4

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978
RESEARCH PROGRAM SUMMARY

	REGION 3								
	MISSOURI								
	AR	ESCS	FS	USDA TOTAL	SAES	OTH COOP INSTS	FORESTRY SCHOOLS	CR/SAES TOTAL	TOTAL
RP 1.01: SOIL & LAND USE	1.4	.0	.0	1.4	4.7	.0	.0	4.7	6.1
RP 1.02: WATER & WATERSHEDS	5.0	.0	.0	5.0	1.5	.0	.0	1.5	6.5
RP 1.03: RECREATION	.0	.0	.0	.0	.5	.0	.0	.5	.5
RP 1.04: ENVIRONMENTAL QUALITY	1.9	.0	.0	1.9	3.1	.0	.0	3.1	5.1
RP 1.05: WEATHER MODIFICATION FOR AGRICULTURE & FORESTRY	.0	.0	.0	.0	2.5	.0	.0	2.5	2.5
RP 1.06: FISH & WILDLIFE	.0	.0	.0	.0	.5	.0	.0	.5	.5
RP 1.07: REMOTE SENSING	.0	.0	.0	.0	.0	.0	.0	.0	.0
RP 2.02: TIMBER MANAGEMENT	.0	.0	4.8	4.8	5.5	.0	.0	5.5	10.3
RP 2.03: FOREST PROTECTION	.0	.0	.0	.0	2.0	.0	.0	2.0	2.0
RP 2.04: HARVESTING PROCESSING & MARKETING OF FOREST PRODUCTS	.0	.0	.0	.0	.4	.0	.0	.4	.4
RP 2.05: FOREST WATERSHEDS, SOILS, POLLUTION	.0	.0	.2	.2	2.1	.0	.0	2.1	2.3
RP 2.06: FOREST RANGE WILDLIFE & FISHERIES HABITAT DEVELOPMENT	.0	.0	1.0	1.0	.4	.0	.0	.4	1.4
RP 2.07: FOREST RECREATION & AESTHETICS & OTH LANDSCAPE VALUES	.0	.0	.0	.0	.6	.0	.0	.6	.6
RP 2.08: ALTERNATE USES OF LAND	.0	.0	.0	.0	.2	.0	.0	.2	.2
RP 3.01: CORN	7.5	.0	.0	7.5	9.5	.0	.0	9.5	17.0
RP 3.02: GRAIN SORGHUM	.0	.0	.0	.0	1.8	.0	.0	1.8	1.8
RP 3.03: WHEAT	1.2	.0	.0	1.2	2.7	.0	.0	2.7	4.0
RP 3.04: SMALL GRAINS OTHER THAN WHEAT	.0	.0	.0	.0	.8	.0	.0	.8	.8
RP 3.06: SOYBEANS	4.2	.0	.0	4.2	7.5	1.0	.0	8.5	12.7
RP 3.08: SUGAR	.0	.0	.0	.0	.3	.0	.0	.3	.3
RP 3.09: FORAGE, RANGE, & PASTURE	1.2	.0	.0	1.2	8.5	.0	.0	8.5	9.7
RP 3.10: COTTON	.0	.0	.0	.0	4.9	.0	.0	4.9	4.9
RP 3.11: TOBACCO	.0	.0	.0	.0	.1	.0	.0	.1	.1
RP 3.12: NEW CROPS & MINOR OILSEEDS	.0	.0	.0	.0	.8	.0	.0	.8	.8
RP 3.13: FRUIT	.0	.0	.0	.0	4.1	.0	.0	4.1	4.1
RP 3.14: VEGETABLE CROPS	.0	.0	.0	.0	1.7	.0	.0	1.7	1.7
RP 3.15: PLANTS TO ENHANCE THE ENVIRONMENT	.0	.0	.0	.0	2.5	.0	.0	2.5	2.5
RP 4.01: BEEF	1.6	.0	.0	1.6	8.3	.4	.0	8.7	10.3
RP 4.02: DAIRY	.8	.0	.0	.8	7.8	.4	.0	8.2	9.0
RP 4.03: POULTRY	.0	.0	.0	.0	6.0	.0	.0	6.0	6.0
RP 4.04: SHEEP	.0	.0	.0	.0	1.4	.4	.0	1.8	1.8
RP 4.05: SWINE	.0	.0	.0	.0	4.8	.9	.0	5.6	5.6
RP 4.06: OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	.0	.0	.0	.0	1.2	.0	.0	1.2	1.2
RP 4.07: AQUATIC FOOD & FEEDSTUFFS	.0	.0	.0	.0	.1	.0	.0	.1	.1
PP 5.01: FOOD & NUTRITION	.0	.0	.0	.0	3.1	4.8	.0	7.9	7.9
RP 5.02: FOOD SAFETY	.1	.0	.0	.1	2.3	.0	.0	2.3	2.4

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978
RESEARCH PROGRAM SUMMARY

REGION 3

MISSOURI

	AR	ESCS	FS	USDA TOTAL	SAES	OTH COOP INSTS	FORESTRY SCHOOLS	CE/SAES TOTAL	TOTAL
RP 5.03: RURAL DEVELOPMENT & QUALITY OF FAMILY LIVING	.0	2.3	.0	2.3	6.6	.3	.0	6.9	9.2
RP 5.04: INSECTS AFFECTING MAN & HIS BELONGINGS	.0	.0	.0	.0	.3	.0	.0	.3	.3
RP 6.01: FARM ADJUSTMENT, PRICES & INCOME	.0	.9	.0	.9	3.1	.0	.0	3.1	4.0
RP 6.02: FOREIGN AGRICULTURAL TRADE & ECONOMIC DEVELOPMENT	.0	.0	.0	.0	2.4	.0	.0	2.4	2.4
RP 6.03: MARKETING & COMPETITION	2.1	.0	.0	2.1	3.7	.0	.0	3.7	5.8
RP 7.01: GENERAL RESOURCE OR TECHNOLOGY	7.2	.0	.0	7.2	10.3	.5	.0	10.8	18.0
RP 9.01: UNCLASSIFIED	.0	.0	.0	.0	.0	.0	.0	.0	.0
GRAND TOTAL	34.4	3.2	6.0	43.6	130.3	8.5	.0	138.8	182.4

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978
RESEARCH PROGRAM SUMMARY

REGION 3

NEBRASKA

	AR	ESCS	FS	USDA TOTAL	SAES	OTH COOP INSTS	FORESTRY SCHOOLS	CR/SAES TOTAL	TOTAL
RP 1.01: SOIL & LAND USE	2.0	.0	.0	2.0	4.3	.0	.0	4.3	6.3
RP 1.02: WATER & WATERSHEDS	1.7	.0	.0	1.7	6.7	.0	.0	6.7	8.4
RP 1.03: RECREATION	.0	.0	.0	.0	.1	.0	.0	.1	.1
RP 1.04: ENVIRONMENTAL QUALITY	4.4	2.0	.0	6.4	2.1	.0	.0	2.1	8.4
RP 1.05: WEATHER MODIFICATION FOR AGRICULTURE & FORESTRY	.0	.0	.0	.0	3.0	.0	.0	3.0	3.0
RP 1.06: FISH & WILDLIFE	.0	.0	.0	.0	.3	.0	.0	.3	.3
RP 1.07: REMOTE SENSING	.0	.0	.0	.0	.3	.0	.0	.3	.3
RP 2.02: TIMBER MANAGEMENT	.0	.0	.0	.0	.9	.0	.0	.9	.9
RP 2.03: FOREST PROTECTION	.0	.0	2.0	2.0	.1	.0	.0	.1	2.1
RP 2.05: FOREST WATERSHEDS, SOILS, POLLUTION	.0	.0	.0	.0	.8	.0	.0	.8	.8
RP 2.07: FOREST RECREATION & AESTHETICS & OTH LANDSCAPE VALUES	.0	.0	2.0	2.0	.1	.0	.0	.1	2.1
RP 3.01: CORN	1.6	.0	.0	1.6	11.8	.0	.0	11.8	13.4
RP 3.02: GRAIN SORGHUM	3.4	.0	.0	3.4	6.9	.0	.0	6.9	10.3
RP 3.03: WHEAT	3.0	.0	.0	3.0	8.1	.0	.0	8.1	11.1
RP 3.04: SMALL GRAINS OTHER THAN WHEAT	.0	.0	.0	.0	1.4	.0	.0	1.4	1.4
RP 3.06: SOYBEANS	.0	.0	.0	.0	5.2	.0	.0	5.2	5.2
RP 3.08: SUGAR	.0	.0	.0	.0	.5	.0	.0	.5	.5
RP 3.09: FORAGE, RANGE, & PASTURE	5.2	.0	.0	5.2	8.1	.0	.0	8.1	13.3
RP 3.12: NEW CROPS & MINOR OILSEEDS	.0	.0	.0	.0	.1	.0	.0	.1	.1
RP 3.14: VEGETABLE CROPS	.0	.0	.0	.0	4.9	.0	.0	4.9	4.9
RP 3.15: PLANTS TO ENHANCE THE ENVIRONMENT	.5	.0	.0	.5	2.6	.0	.0	2.6	3.1
RP 4.01: BEEF	15.1	1.2	.0	16.3	12.6	.0	.0	12.6	28.9
RP 4.02: DAIRY	.1	.0	.0	.1	4.2	.0	.0	4.2	4.3
RP 4.03: POULTRY	.0	.0	.0	.0	4.2	.0	.0	4.2	4.2
RP 4.04: SHEEP	6.0	.0	.0	6.0	.8	.0	.0	.8	6.7
RP 4.05: SWINE	6.8	.0	.0	6.8	12.2	.0	.0	12.2	19.0
RP 4.06: OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	.0	.0	.0	.0	.5	.0	.0	.5	.5
RP 5.01: FOOD & NUTRITION	.0	.0	.0	.0	3.0	.0	.0	3.0	3.0
RP 5.02: FOOD SAFETY	.3	.0	.0	.3	1.9	.0	.0	1.9	2.2
RP 5.03: RURAL DEVELOPMENT & QUALITY OF FAMILY LIVING	.1	.0	.0	.1	8.4	.0	.0	8.4	8.5
RP 6.01: FARM ADJUSTMENT, PRICES & INCOME	.2	.0	.0	.2	5.6	.0	.0	5.6	5.8
RP 6.03: MARKETING & COMPETITION	.0	2.3	.0	2.3	5.1	.0	.0	5.1	7.4
RP 7.01: GENERAL RESOURCE OR TECHNOLOGY	.2	.0	.0	.2	10.5	.0	.0	10.5	10.7
RP 9.01: UNCLASSIFIED	.0	.0	.0	.0	5.0	.0	.0	5.0	5.0
GRAND TOTAL	50.5	5.5	4.0	60.0	142.4	.0	.0	142.4	202.4

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978
RESEARCH PROGRAM SUMMARY

REGION 3

NORTH DAKOTA

	AR	ESCS	FS	USDA TOTAL	SAES	OTH COOP INSTS	FORESTRY SCHOOLS	CR/SAES TOTAL	TOTAL
RP 1.01: SOIL & LAND USE	6.2	.3	.0	6.5	14.6	.0	.0	14.6	21.0
RP 1.02: WATER & WATERSHEDS	4.7	1.3	.0	6.0	6.1	.0	.0	6.1	12.1
RP 1.04: ENVIRONMENTAL QUALITY	.0	.0	.0	.0	2.9	.0	.0	2.9	2.9
RP 1.05: WEATHER MODIFICATION FOR AGRICULTURE & FORESTRY	.0	.0	.0	.0	.7	.0	.0	.7	.7
RP 1.07: REMOTE SENSING	.0	.0	.0	.0	.0	.0	.0	.0	.0
RP 2.01: INVENTORY & APPRAISAL OF FOREST RESOURCES	.0	.0	.0	.0	.0	.0	.0	.0	.0
RP 2.02: TIMBER MANAGEMENT	.0	.0	.0	.0	.6	.0	.0	.6	.6
RP 2.03: FOREST PROTECTION	.0	.0	1.5	1.5	.4	.0	.0	.4	1.9
RP 2.05: FOREST WATERSHEDS, SOILS, POLLUTION	.0	.0	.0	.0	.0	.0	.0	.0	.0
RP 2.07: FOREST RECREATION & AESTHETICS & OTH LANDSCAPE VALUES	.0	.0	1.5	1.5	.0	.0	.0	.0	1.5
RP 3.01: CORN	.3	.0	.0	.3	1.8	.0	.0	1.8	2.1
RP 3.02: GRAIN SORGHUM	.0	.0	.0	.0	.0	.0	.0	.0	.0
RP 3.03: WHEAT	3.8	.0	.0	3.8	18.6	.0	.0	18.6	22.4
RP 3.04: SMALL GRAINS OTHER THAN WHEAT	.7	.0	.0	.7	8.7	.0	.0	8.7	9.4
RP 3.05: RICE	.0	.0	.0	.0	.0	.0	.0	.0	.0
RP 3.06: SOYBEANS	.0	.0	.0	.0	.8	.0	.0	.8	.8
RP 3.08: SUGAR	2.3	.0	.0	2.3	1.8	.0	.0	1.8	4.1
RP 3.09: FORAGE, RANGE, & PASTURE	5.7	.0	.0	5.7	7.3	.0	.0	7.3	12.9
RP 3.12: NEW CROPS & MINOR OILSEEDS	4.2	.0	.0	4.2	5.0	.0	.0	5.0	9.2
RP 3.13: FRUIT	.0	.0	.0	.0	.7	.0	.0	.7	.7
RP 3.14: VEGETABLE CROPS	.0	.0	.0	.0	4.6	.0	.0	4.6	4.6
RP 3.15: PLANTS TO ENHANCE THE ENVIRONMENT	2.1	.0	.0	2.1	.8	.0	.0	.8	2.9
RP 4.01: BEEF	1.0	.0	.0	1.0	7.0	.0	.0	7.0	8.0
RP 4.02: DAIRY	.0	.0	.0	.0	1.6	.0	.0	1.6	1.6
RP 4.03: POULTRY	.0	.0	.0	.0	.7	.0	.0	.7	.7
RP 4.04: SHEEP	.0	.0	.0	.0	2.1	.0	.0	2.1	2.1
RP 4.05: SWINE	.0	.0	.0	.0	2.3	.0	.0	2.3	2.3
RP 4.06: OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	.0	.0	.0	.0	.1	.0	.0	.1	.1
RP 5.01: FOOD & NUTRITION	4.3	.0	.0	4.3	.3	.0	.0	.3	4.6
RP 5.02: FOOD SAFETY	15.2	.0	.0	15.2	.8	.0	.0	.8	15.9
RP 5.03: RURAL DEVELOPMENT & QUALITY OF FAMILY LIVING	.0	.1	.0	.1	3.1	.0	.0	3.1	3.2
RP 6.01: FARM ADJUSTMENT, PRICES & INCOME	.0	.0	.0	.0	3.0	.0	.0	3.0	3.0
RP 6.02: FOREIGN AGRICULTURAL TRADE & ECONOMIC DEVELOPMENT	.0	.0	.0	.0	.4	.0	.0	.4	.4
RP 6.03: MARKETING & COMPETITION	.0	.0	.0	.0	3.1	.0	.0	3.1	3.1
RP 7.01: GENERAL RESOURCE OR TECHNOLOGY	15.4	.0	.0	15.4	18.0	.0	.0	18.0	33.3
GRAND TOTAL	65.9	1.6	3.0	70.5	117.8	.0	.0	117.8	188.3

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978
RESEARCH PROGRAM SUMMARY

	REGION 3								
	OHIO								
	AR	ESCS	FS	USDA TOTAL	SAES	OHIO ALLIANCE	FORESTRY SCHOOLS	CR/SAES TOTAL	TOTAL
RP 1.01: SOIL & LAND USE	.7	.0	.0	.7	8.0	.0	.0	8.0	8.7
RP 1.02: WATER & WATERSHEDS	4.0	.0	.0	4.0	1.1	.0	.0	1.1	5.2
RP 1.03: RECREATION	.0	.0	.0	.0	.4	.0	.0	.4	.4
RP 1.04: ENVIRONMENTAL QUALITY	2.6	.0	.0	2.6	3.5	.0	.0	3.5	6.1
RP 1.05: WEATHER MODIFICATION FOR AGRICULTURE & FORESTRY	.0	.0	.0	.0	.0	.0	.0	.0	.0
RP 1.06: FISH & WILDLIFE	.0	.0	.0	.0	.8	.0	.0	.8	.8
RP 1.07: REMOTE SENSING	.0	.0	.0	.0	.1	.0	.0	.1	.1
RP 2.01: INVENTORY & APPRAISAL OF FOREST RESOURCES	.0	.0	.0	.0	.1	.0	.0	.1	.1
RP 2.02: TIMBER MANAGEMENT	.0	.0	3.0	3.0	5.5	.0	.0	5.5	8.5
RP 2.03: FOREST PROTECTION	.0	.0	13.0	13.0	1.2	.0	.0	1.2	14.2
RP 2.04: HARVESTING PROCESSING & MARKETING OF FOREST PRODUCTS	.0	.0	6.4	6.4	.2	.0	.0	.2	6.6
RP 2.05: FOREST WATERSHEDS, SOILS, POLLUTION	.0	.0	3.0	3.0	.8	.0	.0	.8	3.8
RP 2.07: FOREST RECREATION & AESTHETICS & OTH LANDSCAPE VALUES	.0	.0	.0	.0	.0	.0	.0	.0	.0
RP 2.08: ALTERNATE USES OF LAND	.0	.0	.6	.6	.2	.0	.0	.2	.8
RP 3.01: CORN	3.7	.0	.0	3.7	8.8	.0	.0	8.8	12.5
RP 3.03: WHEAT	2.9	.0	.0	2.9	1.2	.0	.0	1.2	4.1
RP 3.04: SMALL GRAINS OTHER THAN WHEAT	.0	.0	.0	.0	.3	.0	.0	.3	.3
RP 3.06: SOYBEANS	1.0	.0	.0	1.0	7.9	.0	.0	7.9	8.9
RP 3.08: SUGAR	.0	.0	.0	.0	1.1	.0	.0	1.1	1.1
RP 3.09: FORAGE, RANGE, & PASTURE	.0	.0	.0	.0	3.0	.0	.0	3.0	3.0
RP 3.11: TOBACCO	.0	.0	.0	.0	.7	.0	.0	.7	.7
RP 3.13: FRUIT	1.9	.0	.0	1.9	5.9	.0	.0	5.9	7.8
RP 3.14: VEGETABLE CROPS	1.4	.0	.0	1.4	9.6	.0	.0	9.6	11.0
RP 3.15: PLANTS TO ENHANCE THE ENVIRONMENT	8.2	.0	.0	8.2	8.8	.0	.0	8.8	16.9
RP 3.16: BEES & OTHER POLLINATING INSECTS	.0	.0	.0	.0	.2	.0	.0	.2	.2
RP 4.01: BEEF	.0	.0	.0	.0	5.3	.0	.0	5.3	5.3
RP 4.02: DAIRY	.0	.0	.0	.0	8.7	.0	.0	8.7	8.7
RP 4.03: POULTRY	.0	.0	.0	.0	6.5	.0	.0	6.5	6.5
RP 4.04: SHEEP	.0	.0	.0	.0	3.2	.0	.0	3.2	3.2
RP 4.05: SWINE	.0	.0	.0	.0	8.8	.0	.0	8.8	8.8
RP 4.06: OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	.0	.0	.0	.0	.2	.0	.0	.2	.2
RP 4.07: AQUATIC FOOD & FEEDSTUFFS	.0	.0	.0	.0	.4	.0	.0	.4	.4
RP 5.01: FOOD & NUTRITION	1.0	.0	.0	1.0	1.6	.0	.0	1.6	2.6
RP 5.02: FOOD SAFETY	.0	.0	.0	.0	2.5	.0	.0	2.5	2.5
RP 5.03: RURAL DEVELOPMENT & QUALITY OF FAMILY LIVING	.0	.3	.0	.3	8.5	.0	.0	8.5	8.8
RP 6.01: FARM ADJUSTMENT, PRICES & INCOME	.0	.0	.0	.0	1.7	.0	.0	1.7	1.7

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978
RESEARCH PROGRAM SUMMARY

REGION 3

OHIO

	AR	ESCS	FS	USDA TOTAL	SAES	OHIO ALLIANCE	FORESTRY SCHOOLS	CR/SAES TOTAL	TOTAL
RP 6.02: FOREIGN AGRICULTURAL TRADE & ECONOMIC DEVELOPMENT	.0	.0	.0	.0	.5	.0	.0	.5	.5
RP 6.03: MARKETING & COMPETITION	.0	.0	.0	.0	2.4	.0	.0	2.4	2.4
RP 7.01: GENERAL RESOURCE OR TECHNOLOGY	2.0	.0	.0	2.0	3.1	.0	.0	3.1	5.1
RP 9.01: UNCLASSIFIED	.0	.0	.0	.0	.0	.0	.0	.0	.0
GRAND TOTAL	29.3	.3	26.0	55.6	122.6	.0	.0	122.6	178.2

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978

REGION 3

RESEARCH PROGRAM SUMMARY

SOUTH DAKOTA

	AR	ESCS	FS	USDA TOTAL	SAES	OTH COOP INSTS	FORESTRY SCHOOLS	CR/SAES TOTAL	TOTAL
RP 1.01: SOIL & LAND USE	.0	.0	.0	.0	4.5	.0	.0	4.5	4.5
RP 1.02: WATER & WATERSHEDS	.0	.0	.0	.0	2.7	.0	.0	2.7	2.7
RP 1.03: RECREATION	.0	.0	.0	.0	1.4	.0	.0	1.4	1.4
RP 1.04: ENVIRONMENTAL QUALITY	.0	.0	.0	.0	4.1	.0	.0	4.1	4.1
RP 1.05: WEATHER MODIFICATION FOR AGRICULTURE & FORESTRY	.0	.0	.0	.0	.8	.0	.0	.8	.8
RP 1.06: FISH & WILDLIFE	.0	.0	.0	.0	.7	.0	.0	.7	.7
RP 2.02: TIMBER MANAGEMENT	.0	.0	.0	.0	1.1	.0	.0	1.1	1.1
RP 2.03: FOREST PROTECTION	.0	.0	.0	.0	.3	.0	.0	.3	.3
RP 2.04: HARVESTING PROCESSING & MARKETING OF FOREST PRODUCTS	.0	.0	.0	.0	.4	.0	.0	.4	.4
RP 2.06: FOREST RANGE WILDLIFE & FISHERIES HABITAT DEVELOPMENT	.0	.0	3.5	3.5	.0	.0	.0	.0	3.5
RP 2.07: FOREST RECREATION & AESTHETICS & OTH LANDSCAPE VALUES	.0	.0	.0	.0	.7	.0	.0	.7	.7
RP 2.08: ALTERNATE USES OF LAND	.0	.0	3.5	3.5	.0	.0	.0	.0	3.5
RP 3.01: CORN	6.3	.0	.0	6.3	3.2	.0	.0	3.2	9.5
RP 3.02: GRAIN SORGHUM	.0	.0	.0	.0	.5	.0	.0	.5	.5
RP 3.03: WHEAT	1.5	.0	.0	1.5	5.8	.0	.0	5.8	7.3
RP 3.04: SMALL GRAINS OTHER THAN WHEAT	1.6	.0	.0	1.6	3.1	.0	.0	3.1	4.7
RP 3.06: SOYBEANS	.1	.0	.0	.1	.7	.0	.0	.7	.8
RP 3.09: FORAGE, RANGE, & PASTURE	.3	.0	.0	.3	8.4	.0	.0	8.4	8.7
RP 3.12: NEW CROPS & MINOR OILSEEDS	.9	.0	.0	.9	2.7	.0	.0	2.7	3.6
RP 3.13: FRUIT	.0	.0	.0	.0	.3	.0	.0	.3	.3
RP 3.14: VEGETABLE CROPS	.0	.0	.0	.0	1.3	.0	.0	1.3	1.3
RP 3.15: PLANTS TO ENHANCE THE ENVIRONMENT	.0	.0	.0	.0	.9	.0	.0	.9	.9
RP 4.01: BEEF	.0	.0	.0	.0	10.3	.0	.0	10.3	10.3
RP 4.02: DAIRY	.0	.0	.0	.0	2.8	.0	.0	2.8	2.8
RP 4.03: POULTRY	.0	.0	.0	.0	2.4	.0	.0	2.4	2.4
RP 4.04: SHEEP	.0	.0	.0	.0	1.6	.0	.0	1.6	1.6
RP 4.05: SWINE	.0	.0	.0	.0	2.6	.0	.0	2.6	2.6
RP 4.06: OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	.0	.0	.0	.0	.4	.0	.0	.4	.4
RP 4.07: AQUATIC FOOD & FEEDSTUFFS	.0	.0	.0	.0	.2	.0	.0	.2	.2
RP 5.01: FOOD & NUTRITION	.0	.0	.0	.0	1.6	.0	.0	1.6	1.6
RP 5.02: FOOD SAFETY	.0	.0	.0	.0	1.4	.0	.0	1.4	1.4
RP 5.03: RURAL DEVELOPMENT & QUALITY OF FAMILY LIVING	.0	.0	.0	.0	5.5	.0	.0	5.5	5.5
RP 6.01: FARM ADJUSTMENT, PRICES & INCOME	.0	.0	.0	.0	2.7	.0	.0	2.7	2.7
RP 6.03: MARKETING & COMPETITION	.0	.0	.0	.0	1.0	.0	.0	1.0	1.0
RP 7.01: GENERAL RESOURCE OR TECHNOLOGY	.1	.0	.0	.1	8.3	.0	.0	8.3	8.4
RP 9.01: UNCLASSIFIED	.0	.0	.0	.0	4.0	.0	.0	4.0	4.0
GRAND TOTAL	10.8	.0	7.0	17.8	88.3	.0	.0	88.3	106.1

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978
RESEARCH PROGRAM SUMMARY

REGION 3

WISCONSIN

	AR	ESCS	FS	USDA TOTAL	SAES	OTH COOP INSTS	FORESTRY SCHOOLS	CE/SAES TOTAL	TOTAL
RP 1.01: SOIL & LAND USE	.0	.9	.0	.9	6.2	.0	.0	6.2	7.1
RP 1.02: WATER & WATERSHEDS	.0	.1	.0	.1	.5	.0	.0	.5	.6
RP 1.03: RECREATION	.0	.0	.0	.0	2.1	.0	.0	2.1	2.1
RP 1.04: ENVIRONMENTAL QUALITY	.0	2.0	.0	2.0	8.2	.0	.0	8.2	10.2
RP 1.05: WEATHER MODIFICATION FOR AGRICULTURE & FORESTRY	.0	.0	.0	.0	.3	.0	.0	.3	.3
RP 1.06: FISH & WILDLIFE	.0	.0	.0	.0	4.6	.0	.0	4.6	4.6
RP 2.01: INVENTORY & APPRAISAL OF FOREST RESOURCES	.0	.0	.0	.0	.5	.0	.0	.5	.5
RP 2.02: TIMBER MANAGEMENT	.0	.0	13.9	13.9	2.4	.0	.0	2.4	16.3
RP 2.03: FOREST PROTECTION	.0	.0	8.0	8.0	5.0	.0	.0	5.0	13.0
RP 2.04: HARVESTING PROCESSING & MARKETING OF FOREST PRODUCTS	.0	.0	102.2	102.2	2.3	.0	.0	2.3	104.5
RP 2.05: FOREST WATERSHEDS, SOILS, POLLUTION	.0	.0	.0	.0	.2	.0	.0	.2	.2
RP 2.07: FOREST RECREATION & AESTHETICS & OTH LANDSCAPE VALUES	.0	.0	.0	.0	.4	.0	.0	.4	.4
RP 2.08: ALTERNATE USES OF LAND	.0	.0	.0	.0	.4	.0	.0	.4	.4
RP 3.01: CORN	.1	.0	.0	.1	3.1	.0	.0	3.1	3.2
RP 3.02: GRAIN SORGHUM	.0	.0	.0	.0	.0	.0	.0	.0	.0
RP 3.03: WHEAT	.2	.0	.0	.2	.6	.0	.0	.6	.7
RP 3.04: SMALL GRAINS OTHER THAN WHEAT	5.3	.0	.0	5.3	1.9	.0	.0	1.9	7.2
RP 3.06: SOYBEANS	.1	.0	.0	.1	2.6	.0	.0	2.6	2.7
RP 3.07: PEANUTS	.1	.0	.0	.1	.0	.0	.0	.0	.1
RP 3.09: FORAGE, RANGE, & PASTURE	1.0	.0	.0	1.0	6.8	.0	.0	6.8	7.8
RP 3.11: TOBACCO	.0	.0	.0	.0	.6	.0	.0	.6	.6
RP 3.13: FRUIT	.0	.0	.0	.0	3.3	.0	.0	3.3	3.3
RP 3.14: VEGETABLE CROPS	3.2	.0	.0	3.2	15.3	.0	.0	15.3	18.5
RP 3.15: PLANTS TO ENHANCE THE ENVIRONMENT	.0	.0	.0	.0	2.6	.0	.0	2.6	2.6
RP 3.16: BEES & OTHER POLLINATING INSECTS	3.7	.0	.0	3.7	2.7	.0	.0	2.7	6.4
RP 4.01: BEEF	.0	.0	.0	.0	4.7	.0	.0	4.7	4.7
RP 4.02: DAIRY	.6	.0	.0	.6	12.4	.0	.0	12.4	13.0
RP 4.03: POULTRY	.2	.0	.0	.2	4.6	.0	.0	4.6	4.8
RP 4.04: SHEEP	.2	.0	.0	.2	1.1	.0	.0	1.1	1.3
RP 4.05: SWINE	.0	.0	.0	.0	2.5	.0	.0	2.5	2.5
RP 4.06: OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	.0	.0	.0	.0	1.8	.0	.0	1.8	1.8
RP 4.07: AQUATIC FOOD & FEEDSTUFFS	.0	.0	.0	.0	1.0	.0	.0	1.0	1.0
RP 5.01: FOOD & NUTRITION	.0	.0	.0	.0	6.2	.0	.0	6.2	6.2
RP 5.02: FOOD SAFETY	.0	.0	.0	.0	3.6	.0	.0	3.6	3.6
RP 5.03: RURAL DEVELOPMENT & QUALITY OF FAMILY LIVING	.0	.0	.0	.0	11.9	.0	.0	11.9	11.9
RP 5.04: INSECTS AFFECTING MAN & HIS BELONGINGS	.0	.0	.0	.0	1.5	.0	.0	1.5	1.5

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978

RESEARCH PROGRAM SUMMARY

REGION 3

WISCONSIN

	AR	ESCS	FS	USDA TOTAL	SAES	OTH COOP INSTS	FORESTRY SCHOOLS	CR/SAES TOTAL	TOTAL
RP 6.01: FARM ADJUSTMENT, PRICES & INCOME	.0	.0	.0	.0	2.3	.0	.0	2.3	2.3
RP 6.02: FOREIGN AGRICULTURAL TRADE & ECONOMIC DEVELOPMENT	.0	.0	.0	.0	1.0	.0	.0	1.0	1.0
RP 6.03: MARKETING & COMPETITION	.0	.0	.0	.0	4.5	.0	.0	4.5	4.5
RP 7.01: GENERAL RESOURCE OR TECHNOLOGY	5.6	.0	.0	5.6	24.6	.0	.0	24.6	30.2
RP 9.01: UNCLASSIFIED	.0	.0	.0	.0	.0	.0	.0	.0	.0
GRAND TOTAL	20.2	3.0	124.1	147.3	156.5	.0	.0	156.5	303.8

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978
RESEARCH PROGRAM SUMMARY

REGION 4

ARIZONA

	AR	ESCS	FS	USDA TOTAL	SABS	OTH COOP INSTS	FORESTRY SCHOOLS	CR/SABS TOTAL	TOTAL
RP 1.01: SOIL & LAND USE	3.6	.0	.0	3.6	6.8	.0	.0	6.8	10.4
RP 1.02: WATER & WATERSHEDS	20.5	.0	3.6	24.1	6.5	.0	.0	6.5	30.6
RP 1.03: RECREATION	.0	.0	.0	.0	1.3	.0	.0	1.3	1.3
RP 1.04: ENVIRONMENTAL QUALITY	.4	2.0	.0	2.4	5.6	.0	.0	5.6	8.0
RP 1.05: WEATHER MODIFICATION FOR AGRICULTURE & FORESTRY	.5	.0	.0	.5	1.2	.0	.0	1.2	1.7
RP 1.07: REMOTE SENSING	.6	.0	.0	.6	.5	.0	.0	.5	1.1
RP 2.01: INVENTORY & APPRAISAL OF FOREST RESOURCES	.0	.0	.0	.0	.6	.0	.2	.8	.8
RP 2.02: TIMBER MANAGEMENT	.0	.0	3.0	3.0	1.2	.0	2.1	3.3	6.3
RP 2.03: FOREST PROTECTION	.0	.0	3.0	3.0	.7	.0	.0	.7	3.7
RP 2.04: HARVESTING PROCESSING & MARKETING OF FOREST PRODUCTS	.0	.0	.0	.0	.2	.0	.8	1.0	1.0
RP 2.05: FOREST WATERSHEDS, SOILS, POLLUTION	.0	.0	13.3	13.3	.8	.0	.0	.8	14.2
RP 2.06: FOREST RANGE WILDLIFE & FISHERIES HABITAT DEVELOPMENT	.0	.0	6.0	6.0	.7	.0	.7	1.4	7.4
RP 2.07: FOREST RECREATION & AESTHETICS & OTH LANDSCAPE VALUES	.0	.0	.0	.0	.6	.0	.2	.8	.8
RP 2.08: ALTERNATE USES OF LAND	.0	.0	.0	.0	.0	.0	.0	.0	.0
RP 3.01: CORN	.0	.0	.0	.0	.1	.0	.0	.1	.1
RP 3.02: GRAIN SORGHUM	.0	.0	.0	.0	.8	.0	.0	.8	.8
RP 3.03: WHEAT	.1	.0	.0	.1	1.6	.0	.0	1.6	1.7
RP 3.04: SMALL GRAINS OTHER THAN WHEAT	1.8	.0	.0	1.8	1.1	.0	.0	1.1	3.0
RP 3.06: SOYBEANS	.0	.0	.0	.0	.6	.0	.0	.6	.6
RP 3.08: SUGAR	.0	.0	.0	.0	1.1	.0	.0	1.1	1.1
RP 3.09: FORAGE, RANGE, & PASTURE	5.3	.0	.0	5.3	5.6	.0	.0	5.6	10.9
RP 3.10: COTTON	21.1	.0	.0	21.1	10.7	.0	.0	10.7	31.8
RP 3.11: TOBACCO	.0	.0	.0	.0	.3	.0	.0	.3	.3
RP 3.12: NEW CROPS & MINOR OILSEEDS	.3	.0	.0	.3	2.4	.0	.0	2.4	2.7
RP 3.13: FRUIT	.0	.0	.0	.0	8.2	.0	.0	8.2	8.2
RP 3.14: VEGETABLE CROPS	.0	.0	.0	.0	9.9	.0	.0	9.9	9.9
RP 3.15: PLANTS TO ENHANCE THE ENVIRONMENT	.0	.0	.0	.0	3.3	.0	.0	3.3	3.3
RP 3.16: BEES & OTHER POLLINATING INSECTS	8.9	.0	.0	8.9	.0	.0	.0	.0	8.9
RP 4.01: BEEF	.0	.0	.0	.0	5.8	.0	.0	5.8	5.8
RP 4.02: DAIRY	.0	.0	.0	.0	3.7	.0	.0	3.7	3.7
RP 4.03: POULTRY	.0	.0	.0	.0	1.0	.0	.0	1.0	1.0
RP 4.04: SHEEP	.0	.0	.0	.0	.2	.0	.0	.2	.2
RP 4.05: SWINE	.0	.0	.0	.0	.1	.0	.0	.1	.1
RP 4.06: OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	.0	.0	.0	.0	.4	.0	.0	.4	.4
RP 5.01: FOOD & NUTRITION	.0	.0	.0	.0	2.8	.0	.0	2.8	2.8
RP 5.02: FOOD SAFETY	.0	.0	.0	.0	3.2	.0	.0	3.2	3.2

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978
RESEARCH PROGRAM SUMMARY

	REGION 4								
	ARIZONA								
	AR	ESCS	FS	USDA TOTAL	SAES	OTH COOP INSTS	FORESTRY SCHOOLS	CR/SAES TOTAL	TOTAL
RP 5.03: RURAL DEVELOPMENT & QUALITY OF FAMILY LIVING	.0	.0	.0	.0	4.0	.0	.0	4.0	4.0
RP 5.04: INSECTS AFFECTING MAN & HIS BELONGINGS	.0	.0	.0	.0	.7	.0	.0	.7	.7
RP 5.05: RESEARCH ON ADMINISTRATION OF RESEARCH	.0	.0	.0	.0	.0	.0	.0	.0	.0
RP 6.01: FARM ADJUSTMENT, PRICES & INCOME	.0	.0	.0	.0	3.9	.0	.0	3.9	3.9
RP 6.02: FOREIGN AGRICULTURAL TRADE & ECONOMIC DEVELOPMENT	.0	.0	.0	.0	.2	.0	.0	.2	.2
RP 6.03: MARKETING & COMPETITION	.0	.0	.0	.0	3.1	.0	.0	3.1	3.1
RP 7.01: GENERAL RESOURCE OR TECHNOLOGY	.6	.0	.0	.6	11.8	.0	.0	11.8	12.4
RP 9.01: UNCLASSIFIED	.0	.0	.0	.0	.3	.0	.7	1.0	1.0
GRAND TOTAL	63.7	2.0	28.9	94.6	113.8	.0	4.7	118.5	213.1

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978
RESEARCH PROGRAM SUMMARY

REGION 4
CALIFORNIA

	AR	ESCS	FS	USDA TOTAL	SAES	OTH COOP INSTS	FORESTRY SCHOOLS	CR/SAES TOTAL	TOTAL
RP 1.01: SOIL & LAND USE	10.7	.0	.0	10.7	21.2	.0	.0	21.2	31.9
RP 1.02: WATER & WATERSHEDS	9.1	.0	.0	9.1	10.1	.0	.0	10.1	19.2
RP 1.03: RECREATION	.0	.0	.0	.0	2.9	.0	.0	2.9	2.9
RP 1.04: ENVIRONMENTAL QUALITY	12.7	2.0	.0	14.7	31.1	.0	.0	31.1	45.8
RP 1.05: WEATHER MODIFICATION FOR AGRICULTURE & FORESTRY	.7	.0	.0	.7	2.9	.0	.0	2.9	3.6
RP 1.06: FISH & WILDLIFE	.0	.0	.0	.0	7.0	.0	.0	7.0	7.0
RP 1.07: REMOTE SENSING	.0	.0	.0	.0	.1	.0	.0	.1	.1
RP 2.01: INVENTORY & APPRAISAL OF FOREST RESOURCES	.0	.0	.0	.0	3.6	.0	.3	3.9	3.9
RP 2.02: TIMBER MANAGEMENT	.0	.0	16.2	16.2	4.8	.0	.5	5.3	21.5
RP 2.03: FOREST PROTECTION	.0	.0	33.0	33.0	11.8	.0	.0	11.8	44.8
RP 2.04: HARVESTING PROCESSING & MARKETING OF FOREST PRODUCTS	.0	.0	.0	.0	15.1	.0	.1	15.2	15.2
RP 2.05: FOREST WATERSHEDS, SOILS, POLLUTION	.0	.0	12.2	12.2	2.0	.0	.2	2.2	14.4
RP 2.06: FOREST RANGE WILDLIFE & FISHERIES HABITAT DEVELOPMENT	.0	.0	5.0	5.0	2.8	.0	.0	2.8	7.8
RP 2.07: FOREST RECREATION & AESTHETICS & OTH LANDSCAPE VALUES	.0	.0	2.3	2.3	1.8	.0	.0	1.8	4.1
RP 2.08: ALTERNATE USES OF LAND	.0	.0	5.1	5.1	.4	.0	.0	.4	5.5
RP 2.09: TECHNICAL ASSISTANCE	.0	.0	.0	.0	.2	.0	.0	.2	.2
RP 3.01: CORN	.0	.0	.0	.0	1.7	.0	.0	1.7	1.7
RP 3.02: GRAIN SORGHUM	.0	.0	.0	.0	.6	.0	.0	.6	.6
RP 3.03: WHEAT	9.7	.0	.0	9.7	4.4	.0	.0	4.4	14.1
RP 3.04: SMALL GRAINS OTHER THAN WHEAT	.7	.0	.0	.7	2.5	.0	.0	2.5	3.2
RP 3.05: RICE	1.6	.0	.0	1.6	4.6	.0	.0	4.6	6.2
RP 3.06: SOYBEANS	.7	.0	.0	.7	2.3	.0	.0	2.3	3.0
RP 3.07: PEANUTS	.0	.0	.0	.0	.1	.0	.0	.1	.1
RP 3.08: SUGAR	7.9	.0	.0	7.9	2.7	.0	.0	2.7	10.6
RP 3.09: FORAGE, RANGE, & PASTURE	14.1	.0	.0	14.1	21.0	.0	.0	21.0	35.1
RP 3.10: COTTON	9.7	.0	.0	9.7	12.1	.0	.0	12.1	21.9
RP 3.12: NEW CROPS & MINOR OILSEEDS	3.5	.0	.0	3.5	5.0	.0	.0	5.0	8.5
RP 3.13: FRUIT	43.4	.0	.0	43.4	69.5	.0	.0	69.5	112.9
RP 3.14: VEGETABLE CROPS	32.2	.0	.0	32.2	35.0	.0	.0	35.0	67.2
RP 3.15: PLANTS TO ENHANCE THE ENVIRONMENT	.6	.0	.0	.6	13.8	.0	.1	13.9	14.5
RP 3.16: BEES & OTHER POLLINATING INSECTS	.0	.0	.0	.0	4.8	.0	.0	4.8	4.8
RP 4.01: BEEF	.6	.0	.0	.6	10.6	.0	.0	10.6	11.2
RP 4.02: DAIRY	.8	.0	.0	.8	7.3	.0	.0	7.3	8.0
RP 4.03: POULTRY	7.6	.0	.0	7.6	9.7	.0	.0	9.7	17.3
RP 4.04: SHEEP	26.1	.0	.0	26.1	3.6	.0	.0	3.6	29.7
RP 4.05: SWINE	.0	.0	.0	.0	.5	.0	.0	.5	.5

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978
RESEARCH PROGRAM SUMMARY

TABLE	V-B	STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978						REGION 4	
RESEARCH PROGRAM SUMMARY		CALIFORNIA							
	AR	ESCS	FS	USDA TOTAL	SAES	OTH COOP INSTS	FORESTRY SCHOOLS	CR/SAES TOTAL	TOTAL
RP 4.06: OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	1.3	.0	.0	1.3	3.2	.0	.0	3.2	4.4
RP 4.07: AQUATIC FOOD & FEEDSTUFFS	.0	.0	.0	.0	5.4	.0	.0	5.4	5.4
RP 5.01: FOOD & NUTRITION	17.6	.0	.0	17.6	27.6	.0	.0	27.6	45.1
RP 5.02: FOOD SAFETY	11.4	.0	.0	11.4	13.0	.0	.0	13.0	24.4
RP 5.03: RURAL DEVELOPMENT & QUALITY OF FAMILY LIVING	.0	.2	.0	.2	16.6	.0	.0	16.6	16.8
RP 5.04: INSECTS AFFECTING MAN & HIS BELONGINGS	.6	.0	.0	.6	10.5	.0	.0	10.5	11.1
RP 5.05: RESEARCH ON ADMINISTRATION OF RESEARCH	.0	.0	.0	.0	.6	.0	.0	.6	.6
RP 6.01: FARM ADJUSTMENT, PRICES & INCOME	.0	.0	.0	.0	3.5	.0	.0	3.5	3.5
RP 6.02: FOREIGN AGRICULTURAL TRADE & ECONOMIC DEVELOPMENT	9.3	.0	.0	9.3	3.2	.0	.0	3.2	12.5
RP 6.03: MARKETING & COMPETITION	1.1	2.1	.0	3.2	4.7	.0	.0	4.7	7.9
RP 7.01: GENERAL RESOURCE OR TECHNOLOGY	23.2	.0	.0	23.2	116.6	.0	.0	116.6	139.8
RP 9.01: UNCLASSIFIED	4.7	.0	.0	4.7	1.0	.0	.0	1.0	5.7
GRAND TOTAL	261.3	4.3	73.8	339.4	535.5	.0	1.2	536.7	876.1

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978
RESEARCH PROGRAM SUMMARY

REGION 4
COLORADO

	AR	ESCS	FS	USDA TOTAL	SAES	OTH COOP INSTS	FORESTRY SCHOOLS	CR/SAES TOTAL	TOTAL
RP 1.01: SOIL & LAND USE	5.4	1.0	.0	6.4	8.9	.0	.0	8.9	15.3
RP 1.02: WATER & WATERSHEDS	10.4	1.0	.0	11.4	11.1	.0	.0	11.1	22.5
RP 1.04: ENVIRONMENTAL QUALITY	7.2	1.2	.0	8.4	8.8	.0	.0	8.8	17.2
RP 1.05: WEATHER MODIFICATION FOR AGRICULTURE & FORESTRY	1.3	.0	.0	1.3	4.8	.0	.0	4.8	6.1
RP 1.06: FISH & WILDLIFE	.1	.0	.0	.1	.2	.0	.0	.2	.3
RP 1.07: REMOTE SENSING	.0	.0	.0	.0	1.0	.0	.0	1.0	1.0
RP 2.01: INVENTORY & APPRAISAL OF FOREST RESOURCES	.0	.0	12.7	12.7	.3	.0	.0	.3	12.9
RP 2.02: TIMBER MANAGEMENT	.0	.0	3.0	3.0	.0	.0	.3	.3	3.3
RP 2.03: FOREST PROTECTION	.0	.0	13.2	13.2	.0	.0	.2	.2	13.4
RP 2.04: HARVESTING PROCESSING & MARKETING OF FOREST PRODUCTS	.0	.0	4.0	4.0	.7	.0	.9	1.6	5.6
RP 2.05: FOREST WATERSHEDS, SOILS, POLLUTION	.0	.0	9.4	9.4	.5	.0	.5	1.0	10.3
RP 2.06: FOREST RANGE WILDLIFE & FISHERIES HABITAT DEVELOPMENT	.0	.0	6.2	6.2	.0	.0	.0	.0	6.2
RP 2.07: FOREST RECREATION & AESTHETICS & OTH LANDSCAPE VALUES	.0	.0	3.7	3.7	.7	.0	.2	.9	4.6
RP 2.08: ALTERNATE USES OF LAND	.0	.0	2.0	2.0	.0	.0	.3	.3	2.3
RP 3.01: CORN	.0	.0	.0	.0	2.3	.0	.0	2.3	2.3
RP 3.02: GRAIN SORGHUM	.0	.0	.0	.0	.7	.0	.0	.7	.7
RP 3.03: WHEAT	.5	.0	.0	.5	4.3	.0	.0	4.3	4.8
RP 3.04: SMALL GRAINS OTHER THAN WHEAT	.0	.0	.0	.0	2.8	.0	.0	2.8	2.8
RP 3.06: SOYBEANS	.0	.0	.0	.0	.2	1.0	.0	1.2	1.2
RP 3.08: SUGAR	5.0	.0	.0	5.0	1.0	.0	.0	1.0	6.0
RP 3.09: FORAGE, RANGE, & PASTURE	6.0	.0	.0	6.0	10.1	.0	.0	10.1	16.0
RP 3.12: NEW CROPS & MINOR OILSEEDS	.0	.0	.0	.0	.1	.0	.0	.1	.1
RP 3.13: FRUIT	.0	.0	.0	.0	6.6	.0	.0	6.6	6.6
RP 3.14: VEGETABLE CROPS	.0	.0	.0	.0	10.1	.0	.0	10.1	10.1
RP 3.15: PLANTS TO ENHANCE THE ENVIRONMENT	.1	.0	.0	.1	4.5	.0	.0	4.5	4.6
RP 4.01: BEEF	1.7	.0	.0	1.7	26.4	.0	.0	26.4	28.2
RP 4.02: DAIRY	.8	.0	.0	.8	1.6	.0	.0	1.6	2.3
RP 4.03: POULTRY	.0	.0	.0	.0	3.4	.0	.0	3.4	3.4
RP 4.04: SHEEP	1.7	.0	.0	1.7	.5	.0	.0	.5	2.2
RP 4.05: SWINE	.2	.0	.0	.2	.0	.0	.0	.0	.2
RP 4.06: OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	3.2	.0	.0	3.2	.5	.0	.0	.5	3.6
RP 4.07: AQUATIC FOOD & FEEDSTUFFS	.0	.0	.0	.0	.2	.0	.0	.2	.2
RP 5.01: FOOD & NUTRITION	.0	.0	.0	.0	3.7	.0	.0	3.7	3.7
RP 5.02: FOOD SAFETY	.0	.0	.0	.0	4.2	.0	.0	4.2	4.2
RP 5.03: RURAL DEVELOPMENT & QUALITY OF FAMILY LIVING	.0	.0	.0	.0	10.3	.0	.0	10.3	10.3
RP 5.04: INSECTS AFFECTING MAN & HIS BELONGINGS	.0	.0	.0	.0	.2	.0	.0	.2	.2

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978
RESEARCH PROGRAM SUMMARY

REGION 4

COLORADO

	AR	ESCS	FS	USDA TOTAL	SAES	OTH COOP INSTS	FORESTRY SCHOOLS	CR/SAES TOTAL	TOTAL
RP 5.05: RESEARCH ON ADMINISTRATION OF RESEARCH	.0	.0	.0	.0	.4	.0	.0	.4	.4
RP 6.01: FARM ADJUSTMENT, PRICES & INCOME	.0	2.9	.0	2.9	7.1	.0	.0	7.1	10.0
RP 6.02: FOREIGN AGRICULTURAL TRADE & ECONOMIC DEVELOPMENT	.0	.0	.0	.0	.0	.0	.0	.0	.0
RP 6.03: MARKETING & COMPETITION	.0	.0	.0	.0	1.7	.0	.0	1.7	1.7
RP 7.01: GENERAL RESOURCE OR TECHNOLOGY	4.8	.0	.0	4.8	15.4	.0	.0	15.4	20.2
GRAND TOTAL	48.4	6.1	54.1	108.6	155.3	1.0	2.4	158.7	267.3

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978
RESEARCH PROGRAM SUMMARY

	REGION 4								
	HAWAII								
	AR	ESCS	FS	USDA TOTAL	SAES	OTH COOP INSTS	FORESTRY SCHOOLS	CR/SAES TOTAL	TOTAL
RP 1.01: SOIL & LAND USE	.0	.0	.0	.0	4.6	.0	.0	4.6	4.6
RP 1.02: WATER & WATERSHEDS	.0	.0	.0	.0	1.6	.0	.0	1.6	1.6
RP 1.04: ENVIRONMENTAL QUALITY	.0	.0	.0	.0	1.4	.0	.0	1.4	1.4
RP 1.05: WEATHER MODIFICATION FOR AGRICULTURE & FORESTRY	.0	.0	.0	.0	.3	.0	.0	.3	.3
RP 2.01: INVENTORY & APPRAISAL OF FOREST RESOURCES	.0	.0	.6	.6	.0	.0	.0	.0	.6
RP 2.02: TIMBER MANAGEMENT	.0	.0	5.2	5.2	.8	.0	.0	.8	6.0
RP 2.03: FOREST PROTECTION	.0	.0	2.0	2.0	1.1	.0	.0	1.1	3.1
RP 2.04: HARVESTING PROCESSING & MARKETING OF FOREST PRODUCTS	.0	.0	.0	.0	1.6	.0	.0	1.6	1.6
RP 2.05: FOREST WATERSHEDS, SOILS, POLLUTION	.0	.0	1.4	1.4	.4	.0	.0	.4	1.8
RP 2.06: FOREST RANGE WILDLIFE & FISHERIES HABITAT DEVELOPMENT	.0	.0	1.6	1.6	.0	.0	.0	.0	1.6
RP 3.01: CORN	.0	.0	.0	.0	4.1	.0	.0	4.1	4.1
RP 3.02: GRAIN SORGHUM	.0	.0	.0	.0	.3	.0	.0	.3	.3
RP 3.05: RICE	.0	.0	.0	.0	.0	.0	.0	.0	.0
RP 3.06: SOYBEANS	.0	.0	.0	.0	.6	.0	.0	.6	.6
RP 3.08: SUGAR	2.1	.0	.0	2.1	2.2	.0	.0	2.2	4.3
RP 3.09: FORAGE, RANGE, & PASTURE	.0	.0	.0	.0	4.2	.0	.0	4.2	4.2
RP 3.12: NEW CROPS & MINOR OILSEEDS	.0	.0	.0	.0	1.2	.0	.0	1.2	1.2
RP 3.13: FRUIT	10.7	.0	.0	10.7	20.7	.0	.0	20.7	31.4
RP 3.14: VEGETABLE CROPS	1.0	.0	.0	1.0	10.4	.0	.0	10.4	11.4
RP 3.15: PLANTS TO ENHANCE THE ENVIRONMENT	.0	.0	.0	.0	10.4	.0	.0	10.4	10.4
RP 4.01: BEEF	.0	.0	.0	.0	2.9	.0	.0	2.9	2.9
RP 4.02: DAIRY	.0	.0	.0	.0	1.5	.0	.0	1.5	1.5
RP 4.03: POULTRY	.0	.0	.0	.0	2.1	.0	.0	2.1	2.1
RP 4.05: SWINE	.0	.0	.0	.0	.7	.0	.0	.7	.7
RP 4.06: OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	.0	.0	.0	.0	.0	.0	.0	.0	.0
RP 4.07: AQUATIC FOOD & FEEDSTUFFS	.0	.0	.0	.0	.9	.0	.0	.9	.9
RP 5.01: FOOD & NUTRITION	.0	.0	.0	.0	4.1	.0	.0	4.1	4.1
RP 5.02: FOOD SAFETY	.0	.0	.0	.0	4.3	.0	.0	4.3	4.3
RP 5.03: RURAL DEVELOPMENT & QUALITY OF FAMILY LIVING	.0	.0	.0	.0	3.1	.0	.0	3.1	3.1
RP 5.04: INSECTS AFFECTING MAN & HIS BELONGINGS	.0	.0	.0	.0	.4	.0	.0	.4	.4
RP 5.05: RESEARCH ON ADMINISTRATION OF RESEARCH	.0	.0	.0	.0	.2	.0	.0	.2	.2
RP 6.01: FARM ADJUSTMENT, PRICES & INCOME	.0	.0	.0	.0	1.2	.0	.0	1.2	1.2
RP 6.02: FOREIGN AGRICULTURAL TRADE & ECONOMIC DEVELOPMENT	.3	.0	.0	.3	.9	.0	.0	.9	1.2
RP 6.03: MARKETING & COMPETITION	.0	.0	.0	.0	3.3	.0	.0	3.3	3.3
RP 7.01: GENERAL RESOURCE OR TECHNOLOGY	.0	.0	.0	.0	3.1	.0	.0	3.1	3.1
RP 9.01: UNCLASSIFIED	.0	.0	.0	.0	.8	.0	.0	.8	.8
GRAND TOTAL	14.1	.0	10.8	24.9	95.3	.0	.0	95.3	120.2

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978
RESEARCH PROGRAM SUMMARY

REGION 4

IDAHO

	AR	ESCS	FS	USDA TOTAL	SAES	OTH COOP INSTS	FORESTRY SCHOOLS	CR/SAES TOTAL	TOTAL
RP 1.01: SOIL & LAND USE	6.1	.0	.0	6.1	5.0	.0	.0	5.0	11.1
RP 1.02: WATER & WATERSHEDS	12.1	.0	.0	12.1	.9	.0	.0	.9	13.0
RP 1.03: RECREATION	.0	.0	.0	.0	.2	.0	.0	.2	.2
RP 1.04: ENVIRONMENTAL QUALITY	3.6	.0	.0	3.6	5.0	.0	.0	5.0	8.6
RP 1.05: WEATHER MODIFICATION FOR AGRICULTURE & FORESTRY	.0	.0	.0	.0	.3	.0	.0	.3	.3
RP 1.06: FISH & WILDLIFE	.0	.0	.0	.0	.4	.0	.0	.4	.4
RP 2.01: INVENTORY & APPRAISAL OF FOREST RESOURCES	.0	.0	.0	.0	.0	.0	1.3	1.3	1.3
RP 2.02: TIMBER MANAGEMENT	.0	.0	10.4	10.4	.0	.0	5.1	5.1	15.5
RP 2.03: FOREST PROTECTION	.0	.0	6.5	6.5	.6	.0	4.4	4.9	11.4
RP 2.04: HARVESTING PROCESSING & MARKETING OF FOREST PRODUCTS	.0	.0	.0	.0	.1	.0	1.2	1.3	1.3
RP 2.05: FOREST WATERSHEDS, SOILS, POLLUTION	.0	.0	4.0	4.0	.2	.0	2.2	2.4	6.4
RP 2.06: FOREST RANGE WILDLIFE & FISHERIES HABITAT DEVELOPMENT	.0	.0	2.0	2.0	.0	.0	8.1	8.1	10.1
RP 2.07: FOREST RECREATION & AESTHETICS & CTH LANDSCAPE VALUES	.0	.0	.0	.0	.0	.0	1.0	1.0	1.0
RP 3.01: CORN	.0	.0	.0	.0	.1	.0	.0	.1	.1
RP 3.02: GRAIN SORGHUM	.0	.0	.0	.0	.2	.0	.0	.2	.2
RP 3.03: WHEAT	1.1	.0	.0	1.1	4.2	.0	.0	4.2	5.3
RP 3.04: SMALL GRAINS OTHER THAN WHEAT	1.0	.0	.0	1.0	1.0	.0	.0	1.0	2.0
RP 3.06: SOYBEANS	.0	.0	.0	.0	.0	.0	.0	.0	.0
RP 3.08: SUGAR	.6	.0	.0	.6	2.2	.0	.0	2.2	2.8
RP 3.09: FORAGE, RANGE, & PASTURE	2.2	.0	.0	2.2	2.7	.0	.0	2.7	4.9
RP 3.12: NEW CROPS & MINOR OILSEEDS	.0	.0	.0	.0	2.2	.0	.0	2.2	2.2
RP 3.13: FRUIT	.0	.0	.0	.0	1.4	.0	.0	1.4	1.4
RP 3.14: VEGETABLE CROPS	2.4	.0	.0	2.4	18.5	.0	.0	18.5	20.9
RP 3.15: PLANTS TO ENHANCE THE ENVIRONMENT	.0	.0	.0	.0	.8	.0	.0	.8	.8
RP 3.16: BEES & OTHER POLLINATING INSECTS	.0	.0	.0	.0	1.2	.0	.0	1.2	1.2
RP 4.01: BEEF	.0	.0	.0	.0	4.3	.0	.0	4.3	4.3
RP 4.02: DAIRY	.0	.0	.0	.0	1.9	.0	.0	1.9	1.9
RP 4.03: POULTRY	.0	.0	.0	.0	.7	.0	.0	.7	.7
RP 4.04: SHEEP	5.3	.0	.0	5.3	8.4	.0	.0	8.4	13.6
RP 4.06: OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	.0	.0	.0	.0	.1	.0	.0	.1	.1
RP 5.01: FOOD & NUTRITION	.0	.0	.0	.0	1.4	.0	.0	1.4	1.4
RP 5.02: FOOD SAFETY	.0	.0	.0	.0	2.4	.0	.0	2.4	2.4
RP 5.03: RURAL DEVELOPMENT & QUALITY OF FAMILY LIVING	.0	.0	.0	.0	.8	.0	.0	.8	.8
RP 5.04: INSECTS AFFECTING MAN & HIS BELONGINGS	.0	.0	.0	.0	.2	.0	.0	.2	.2
RP 5.05: RESEARCH ON ADMINISTRATION OF RESEARCH	.0	.0	.0	.0	.6	.0	.0	.6	.6
RP 6.01: FARM ADJUSTMENT, PRICES & INCOME	.0	.0	.0	.0	3.0	.0	.0	3.0	3.0

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978
RESEARCH PROGRAM SUMMARY

REGION 4

IDAHO

	AR	ESCS	FS	USDA TOTAL	SAES	OTH COOP INSTS	FORESTRY SCHOOLS	CR/SAES TOTAL	TOTAL
RP 6.02: FOREIGN AGRICULTURAL TRADE & ECONOMIC DEVELOPMENT	.0	.0	.0	.0	1.2	.0	.0	1.2	1.2
RP 6.03: MARKETING & COMPETITION	.0	.0	.0	.0	.7	.0	.0	.7	.7
RP 7.01: GENERAL RESOURCE OR TECHNOLOGY	.0	.0	.0	.0	3.3	.0	.2	3.4	3.4
RP 9.01: UNCLASSIFIED	.0	.0	.0	.0	.0	.0	6.2	6.2	6.2
GRAND TOTAL	34.4	.0	22.9	57.3	76.1	.0	29.6	105.7	163.0

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978
RESEARCH PROGRAM SUMMARY

	REGION 4								
	MONTANA								
	AR	ESCS	FS	USDA TOTAL	SAES	OTH COOP INSTS	FORESTRY SCHOOLS	CR/SAES TOTAL	TOTAL
RP 1.01: SOIL & LAND USE	5.2	.0	.0	5.2	9.0	.0	.0	9.0	14.2
RP 1.02: WATER & WATERSHEDS	1.7	.0	.0	1.7	3.4	.0	.0	3.4	5.1
RP 1.03: RECREATION	.0	.0	.0	.0	.4	.0	.0	.4	.4
RP 1.04: ENVIRONMENTAL QUALITY	.0	.0	.0	.0	2.9	.0	.0	2.9	2.9
RP 1.05: WEATHER MODIFICATION FOR AGRICULTURE & FORESTRY	.0	.0	.0	.0	.8	.0	.0	.8	.8
RP 1.06: FISH & WILDLIFE	.0	.0	.0	.0	.7	.0	.1	.8	.8
RP 2.01: INVENTORY & APPRAISAL OF FOREST RESOURCES	.0	.0	1.8	1.8	.0	.0	.3	.3	2.1
RP 2.02: TIMBER MANAGEMENT	.0	.0	5.5	5.5	.0	.0	1.8	1.8	7.3
RP 2.03: FOREST PROTECTION	.0	.0	24.5	24.5	.0	.0	.9	.9	25.4
RP 2.04: HARVESTING PROCESSING & MARKETING OF FOREST PRODUCTS	.0	.0	7.4	7.4	.0	.0	.2	.2	7.5
RP 2.05: FOREST WATERSHEDS, SOILS, POLLUTION	.0	.0	7.0	7.0	.0	.0	.0	.0	7.0
RP 2.06: FOREST RANGE WILDLIFE & FISHERIES HABITAT DEVELOPMENT	.0	.0	3.0	3.0	.0	.0	7.5	7.5	10.5
RP 2.07: FOREST RECREATION & AESTHETICS & OTH LANDSCAPE VALUES	.0	.0	2.0	2.0	.0	.0	.8	.8	2.8
RP 2.08: ALTERNATE USES OF LAND	.0	.0	1.0	1.0	.0	.0	.1	.1	1.1
RP 2.09: TECHNICAL ASSISTANCE	.0	.0	.0	.0	.0	.0	.2	.2	.2
PP 3.01: CORN	.0	.0	.0	.0	.6	.0	.0	.6	.6
RP 3.02: GRAIN SORGHUM	.0	.0	.0	.0	.1	.0	.0	.1	.1
RP 3.03: WHEAT	2.7	.0	.0	2.7	8.8	.0	.0	8.8	11.4
RP 3.04: SMALL GRAINS OTHER THAN WHEAT	1.4	.0	.0	1.4	6.2	.0	.0	6.2	7.6
RP 3.08: SUGAR	.0	.0	.0	.0	1.2	.0	.0	1.2	1.2
RP 3.09: FORAGE, RANGE, & PASTURE	8.8	.0	.0	8.8	10.4	.0	.0	10.4	19.2
RP 3.12: NEW CROPS & MINOR OILSEEDS	.0	.0	.0	.0	1.1	.0	.0	1.1	1.1
RP 3.13: FRUIT	.0	.0	.0	.0	.6	.0	.0	.6	.6
RP 3.14: VEGETABLE CROPS	.0	.0	.0	.0	.7	.0	.0	.7	.7
RP 3.15: PLANTS TO ENHANCE THE ENVIRONMENT	.0	.0	.0	.0	1.2	.0	.0	1.2	1.2
PP 4.01: BEEF	6.2	.0	.0	6.2	15.9	.0	.0	15.9	22.1
RP 4.02: DAIRY	.0	.0	.0	.0	1.0	.0	.0	1.0	1.0
RP 4.03: POULTRY	.0	.0	.0	.0	.2	.0	.0	.2	.2
RP 4.04: SHEEP	.0	.0	.0	.0	1.9	.0	.0	1.9	1.9
RP 4.05: SWINE	.0	.0	.0	.0	.8	.0	.0	.8	.8
RP 4.06: OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	.0	.0	.0	.0	.2	.0	.0	.2	.2
RP 5.01: FOOD & NUTRITION	.1	.0	.0	.1	1.1	.0	.0	1.1	1.2
RP 5.03: RURAL DEVELOPMENT & QUALITY OF FAMILY LIVING	.0	.0	.0	.0	1.2	.0	.0	1.2	1.2
RP 6.01: FARM ADJUSTMENT, PRICES & INCOME	.0	.0	.0	.0	1.8	.0	.0	1.8	1.8
RP 6.02: FOREIGN AGRICULTURAL TRADE & ECONOMIC DEVELOPMENT	.0	.0	.0	.0	.2	.0	.0	.2	.2
RP 6.03: MARKETING & COMPETITION	.0	.0	.0	.0	3.4	.0	.0	3.4	3.4

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978
RESEARCH PROGRAM SUMMARY

STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978							REGION 4		
RESEARCH PROGRAM SUMMARY							MONTANA		
	AR	ESCS	FS	USDA TOTAL	SAES	OTH COOP INSTS	FORESTRY SCHOOLS	CR/SAES TOTAL	TOTAL
RP 7.01: GENERAL RESOURCE OR TECHNOLOGY	.0	.0	.0	.0	1.8	.0	.0	1.8	1.8
RP 9.01: UNCLASSIFIED	.0	.0	.0	.0	2.5	.0	.0	2.5	2.5
GRAND TOTAL	26.0	.0	52.2	78.2	79.8	.0	11.8	91.6	169.8

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978

REGION 4

RESEARCH PROGRAM SUMMARY

NEVADA

	AR	ESCS	FS	USDA TOTAL	SAES	OTH COOP INSTS	FORESTRY SCHOOLS	CR/SAES TOTAL	TOTAL
RP 1.01: SOIL & LAND USE	.0	.0	.0	.0	1.4	.0	.0	1.4	1.4
RP 1.02: WATER & WATERSHEDS	.0	.0	.0	.0	2.7	.0	.0	2.7	2.7
RP 1.03: RECREATION	.0	.0	.0	.0	1.0	.0	.0	1.0	1.0
RP 1.04: ENVIRONMENTAL QUALITY	.0	.0	.0	.0	1.4	.0	.0	1.4	1.4
RP 1.05: WEATHER MODIFICATION FOR AGRICULTURE & FORESTRY	.0	.0	.0	.0	.3	.0	.0	.3	.3
RP 1.06: FISH & WILDLIFE	.0	.0	.0	.0	.4	.0	.0	.4	.4
RP 1.07: REMOTE SENSING	.1	.0	.0	.1	.1	.0	.0	.1	.2
RP 2.01: INVENTORY & APPRAISAL OF FOREST RESOURCES	.0	.0	.2	.2	.2	.0	.0	.2	.4
RP 2.02: TIMBER MANAGEMENT	.0	.0	.0	.0	.3	.0	.0	.3	.3
RP 2.04: HARVESTING PROCESSING & MARKETING OF FOREST PRODUCTS	.0	.0	.0	.0	.2	.0	.0	.2	.2
RP 2.05: FOREST WATERSHEDS, SOILS, POLLUTION	.0	.0	.0	.0	1.1	.0	.0	1.1	1.1
RP 2.06: FOREST RANGE WILDLIFE & FISHERIES HABITAT DEVELOPMENT	.0	.0	.8	.8	.0	.0	.0	.0	.8
RP 2.07: FOREST RECREATION & AESTHETICS & OTH LANDSCAPE VALUES	.0	.0	.0	.0	.5	.0	.0	.5	.5
RP 2.08: ALTERNATE USES OF LAND	.0	.0	.0	.0	.4	.0	.0	.4	.4
RP 3.03: WHEAT	.0	.0	.0	.0	.3	.0	.0	.3	.3
RP 3.04: SMALL GRAINS OTHER THAN WHEAT	.0	.0	.0	.0	.3	.0	.0	.3	.3
RP 3.08: SUGAR	.0	.0	.0	.0	.0	.0	.0	.0	.0
RP 3.09: FORAGE, RANGE, & PASTURE	4.9	.0	.0	4.9	8.5	.0	.0	8.5	13.4
RP 3.14: VEGETABLE CROPS	.0	.0	.0	.0	.5	.0	.0	.5	.5
RP 3.15: PLANTS TO ENHANCE THE ENVIRONMENT	.0	.0	.0	.0	.8	.0	.0	.8	.8
RP 3.16: BEES & OTHER POLLINATING INSECTS	.0	.0	.0	.0	1.1	.0	.0	1.1	1.1
RP 4.01: BEEF	.0	.0	.0	.0	7.4	.0	.0	7.4	7.4
RP 4.02: DAIRY	.0	.0	.0	.0	1.1	.0	.0	1.1	1.1
RP 4.04: SHEEP	.0	.0	.0	.0	.8	.0	.0	.8	.8
RP 4.06: OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	.0	.0	.0	.0	.4	.0	.0	.4	.4
RP 4.07: AQUATIC FOOD & FEEDSTUFFS	.0	.0	.0	.0	.6	.0	.0	.6	.6
RP 5.01: FOOD & NUTRITION	.0	.0	.0	.0	.3	.0	.0	.3	.3
RP 5.02: FOOD SAFETY	.0	.0	.0	.0	.3	.0	.0	.3	.3
RP 5.03: RURAL DEVELOPMENT & QUALITY OF FAMILY LIVING	.0	.0	.0	.0	2.5	.0	.0	2.5	2.5
RP 6.03: MARKETING & COMPETITION	.0	.0	.0	.0	2.4	.0	.0	2.4	2.4
RP 7.01: GENERAL RESOURCE OR TECHNOLOGY	.0	.0	.0	.0	1.2	.0	.0	1.2	1.2
RP 9.01: UNCLASSIFIED	.0	.0	.0	.0	.0	.0	.0	.0	.0
GRAND TOTAL	5.0	.0	1.0	6.0	38.5	.0	.0	38.5	44.5

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978
RESEARCH PROGRAM SUMMARY

	REGION 4								
	NEW MEXICO								
	AR	ESCS	FS	USDA TOTAL	SAES	OTH COOP INSTS	FORESTRY SCHOOLS	CR/SAES TOTAL	TOTAL
RP 1.01: SOIL & LAND USE	.3	.0	.0	.3	3.2	.0	.0	3.2	3.4
RP 1.02: WATER & WATERSHEDS	.4	.0	.0	.4	1.7	.0	.0	1.7	2.1
RP 1.03: RECREATION	.0	.0	.0	.0	.2	.0	.0	.2	.2
RP 1.04: ENVIRONMENTAL QUALITY	.0	.0	.0	.0	.5	.0	.0	.5	.5
RP 1.05: WEATHER MODIFICATION FOR AGRICULTURE & FORESTRY	.0	.0	.0	.0	.2	.0	.0	.2	.2
RP 1.06: FISH & WILDLIFE	.0	.0	.0	.0	1.0	.0	.0	1.0	1.0
RP 2.02: TIMBER MANAGEMENT	.0	.0	.0	.0	2.0	.0	.0	2.0	2.0
RP 2.03: FOREST PROTECTION	.0	.0	.0	.0	.2	.0	.0	.2	.2
RP 2.04: HARVESTING PROCESSING & MARKETING OF FOREST PRODUCTS	.0	.0	.0	.0	.2	.0	.0	.2	.2
RP 2.05: FOREST WATERSHEDS, SOILS, POLLUTION	.0	.0	2.3	2.3	.4	.0	.0	.4	2.7
RP 2.06: FOREST RANGE WILDLIFE & FISHERIES HABITAT DEVELOPMENT	.0	.0	.7	.7	.2	.0	.0	.2	.9
RP 3.01: CORN	.0	.0	.0	.0	.8	.0	.0	.8	.8
RP 3.02: GRAIN SORGHUM	.0	.0	.0	.0	1.4	.0	.0	1.4	1.4
RP 3.03: WHEAT	.0	.0	.0	.0	.9	.0	.0	.9	.9
RP 3.04: SMALL GRAINS OTHER THAN WHEAT	.0	.0	.0	.0	1.2	.0	.0	1.2	1.2
RP 3.06: SOYBEANS	.0	.0	.0	.0	.1	.0	.0	.1	.1
RP 3.07: PEANUTS	.0	.0	.0	.0	2.0	.0	.0	2.0	2.0
RP 3.08: SUGAR	.0	.0	.0	.0	.2	.0	.0	.2	.2
RP 3.09: FORAGE, RANGE, & PASTURE	3.6	.0	.0	3.6	8.8	.0	.0	8.8	12.4
RP 3.10: COTTON	5.0	.0	.0	5.0	4.5	.0	.0	4.5	9.5
RP 3.12: NEW CROPS & MINOR OILSEEDS	.0	.0	.0	.0	.6	.0	.0	.6	.6
RP 3.13: FRUIT	.0	.0	.0	.0	1.8	.0	.0	1.8	1.8
RP 3.14: VEGETABLE CROPS	.0	.0	.0	.0	2.3	.0	.0	2.3	2.3
RP 3.15: PLANTS TO ENHANCE THE ENVIRONMENT	.0	.0	.0	.0	.2	.0	.0	.2	.2
RP 4.01: BEEF	.9	.0	.0	.9	5.4	.0	.0	5.4	6.3
RP 4.02: DAIRY	.0	.0	.0	.0	1.0	.0	.0	1.0	1.0
RP 4.03: POULTRY	.0	.0	.0	.0	.6	.0	.0	.6	.6
RP 4.04: SHEEP	.0	.0	.0	.0	1.1	.0	.0	1.1	1.1
RP 4.06: OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	.0	.0	.0	.0	.4	.0	.0	.4	.4
RP 5.01: FOOD & NUTRITION	.0	.0	.0	.0	.7	.0	.0	.7	.7
RP 5.03: RURAL DEVELOPMENT & QUALITY OF FAMILY LIVING	.0	.0	.0	.0	3.0	.0	.0	3.0	3.0
RP 6.01: FARM ADJUSTMENT, PRICES & INCOME	.0	.0	.0	.0	.8	.0	.0	.8	.8
RP 6.03: MARKETING & COMPETITION	.0	.1	.0	.1	2.0	.0	.0	2.0	2.1
RP 7.01: GENERAL RESOURCE OR TECHNOLOGY	.0	.0	.0	.0	3.5	.0	.0	3.5	3.5
RP 9.01: UNCLASSIFIED	.0	.0	.0	.0	.2	.0	.0	.2	.2
GRAND TOTAL	10.1	.1	3.0	13.2	53.2	.0	.0	53.2	66.4

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978
RESEARCH PROGRAM SUMMARY

REGION 4

OREGON

	AR	ESCS	FS	USDA TOTAL	SAES	OTH COOP INSTS	FORESTRY SCHOOLS	CR/SAES TOTAL	TOTAL
RP 1.01: SOIL & LAND USE	3.4	.0	.0	3.4	4.1	.0	.0	4.1	7.5
RP 1.02: WATER & WATERSHEDS	1.5	1.0	.0	2.5	1.3	.0	.0	1.3	3.8
RP 1.03: RECREATION	.0	.0	.0	.0	.6	.0	.0	.6	.6
RP 1.04: ENVIRONMENTAL QUALITY	.5	1.0	.0	1.5	10.9	.0	.0	10.9	12.4
RP 1.05: WEATHER MODIFICATION FOR AGRICULTURE & FORESTRY	.2	.0	.0	.2	.0	.0	.2	.2	.4
RP 1.06: FISH & WILDLIFE	.0	.0	.0	.0	2.5	.0	.0	2.5	2.5
RP 2.01: INVENTORY & APPRAISAL OF FOREST RESOURCES	.0	.0	9.0	9.0	.0	.0	.8	.8	9.8
RP 2.02: TIMBER MANAGEMENT	.0	.0	13.0	13.0	1.7	.0	12.3	13.9	26.9
RP 2.03: FOREST PROTECTION	.0	.0	26.9	26.9	1.3	.0	2.0	3.3	30.2
RP 2.04: HARVESTING PROCESSING & MARKETING OF FOREST PRODUCTS	.0	.0	12.0	12.0	.0	.0	17.8	17.8	29.8
RP 2.05: FOREST WATERSHEDS, SOILS, POLLUTION	.0	.0	5.7	5.7	.5	.0	6.6	7.1	12.8
RP 2.06: FOREST RANGE WILDLIFE & FISHERIES HABITAT DEVELOPMENT	.0	.0	8.0	8.0	.1	.0	3.2	3.3	11.3
RP 2.07: FOREST RECREATION & AESTHETICS & OTH LANDSCAPE VALUES	.0	.0	.0	.0	.6	.0	1.3	1.9	1.9
RP 2.08: ALTERNATE USES OF LAND	.0	.0	1.8	1.8	.0	.0	2.1	2.1	3.9
RP 3.01: CORN	.0	.0	.0	.0	.6	.0	.0	.6	.6
RP 3.03: WHEAT	3.7	.0	.0	3.7	4.7	.0	.0	4.7	8.3
RP 3.04: SMALL GRAINS OTHER THAN WHEAT	.7	.0	.0	.7	3.0	.0	.0	3.0	3.7
RP 3.06: SOYBEANS	.0	.0	.0	.0	.2	.0	.0	.2	.2
RP 3.09: FORAGE, RANGE, & PASTURE	6.2	.0	.0	6.2	10.2	.0	.0	10.2	16.4
RP 3.12: NEW CROPS & MINOR OILSEEDS	3.5	.0	.0	3.5	.7	.0	.0	.7	4.2
RP 3.13: FRUIT	2.9	.0	.0	2.9	14.9	.0	.0	14.9	17.8
RP 3.14: VEGETABLE CROPS	1.0	.0	.0	1.0	9.8	.0	.0	9.8	10.8
RP 3.15: PLANTS TO ENHANCE THE ENVIRONMENT	4.0	.0	.0	4.0	4.2	.0	.0	4.2	8.2
RP 3.16: BEES & OTHER POLLINATING INSECTS	.0	.0	.0	.0	1.4	.0	.0	1.4	1.4
RP 4.01: BEEF	.3	.6	.0	.9	7.7	.0	.0	7.7	8.6
RP 4.02: DAIRY	.0	.0	.0	.0	3.7	.0	.0	3.7	3.7
RP 4.03: POULTRY	.0	.0	.0	.0	4.2	.0	.0	4.2	4.2
RP 4.04: SHEEP	.0	.0	.0	.0	2.9	.0	.0	2.9	2.9
RP 4.05: SWINE	.0	.0	.0	.0	1.3	.0	.0	1.3	1.3
RP 4.06: OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	.0	.0	.0	.0	1.7	.0	.0	1.7	1.7
RP 4.07: AQUATIC FOOD & FEEDSTUFFS	.0	.0	.0	.0	2.4	.0	.0	2.4	2.4
RP 5.01: FOOD & NUTRITION	.0	.0	.0	.0	4.2	.0	.0	4.2	4.2
RP 5.02: FOOD SAFETY	.0	.0	.0	.0	4.2	.0	.0	4.2	4.2
RP 5.03: RURAL DEVELOPMENT & QUALITY OF FAMILY LIVING	.0	.0	.0	.0	5.0	.0	.0	5.0	5.0
RP 5.04: INSECTS AFFECTING MAN & HIS BELONGINGS	.0	.0	.0	.0	.0	.0	.0	.0	.0
RP 5.05: RESEARCH ON ADMINISTRATION OF RESEARCH	.0	.0	.0	.0	.1	.0	.0	.1	.1

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978
RESEARCH PROGRAM SUMMARY

REGION 4

OREGON

	AR	ESCS	FS	USDA TOTAL	SAES	OTH COOP INSTS	FORESTRY SCHOOLS	CR/SAES TOTAL	TOTAL
RP 6.01: FARM ADJUSTMENT, PRICES & INCOME	.0	.0	.0	.0	1.8	.0	.0	1.8	1.8
RP 6.02: FOREIGN AGRICULTURAL TRADE & ECONOMIC DEVELOPMENT	.0	.0	.0	.0	.3	.0	.0	.3	.3
RP 6.03: MARKETING & COMPETITION	.0	.0	.0	.0	2.3	.0	.0	2.3	2.3
RP 7.01: GENERAL RESOURCE OR TECHNOLOGY	.9	.0	.0	.9	19.0	.0	.0	19.0	19.9
RP 9.01: UNCLASSIFIED	.0	.0	.0	.0	9.4	.0	.0	9.4	9.4
GRAND TOTAL	28.8	2.6	76.4	107.8	143.3	.0	46.3	189.6	297.4

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978
RESEARCH PROGRAM SUMMARY

REGION 4

UTAH

	AR	ESCS	FS	USDA TOTAL	SAES	OTH COOP INSTS	FORESTRY SCHOOLS	CR/SAES TOTAL	TOTAL
RP 1.01: SOIL & LAND USE	.0	.0	.0	.0	5.0	.0	.0	5.0	5.0
RP 1.02: WATER & WATERSHEDS	.0	.0	.0	.0	2.3	.0	.0	2.3	2.3
RP 1.03: RECREATION	.0	.0	.0	.0	.3	.0	.0	.3	.3
RP 1.04: ENVIRONMENTAL QUALITY	.0	.0	.0	.0	1.2	.0	.0	1.2	1.2
RP 1.05: WEATHER MODIFICATION FOR AGRICULTURE & FORESTRY	.0	.0	.0	.0	.8	.0	.0	.8	.8
RP 1.06: FISH & WILDLIFE	.1	.0	.0	.1	.0	.0	.0	.0	.1
RP 2.01: INVENTORY & APPRAISAL OF FOREST RESOURCES	.0	.0	7.0	7.0	.3	.0	.0	.3	7.3
RP 2.02: TIMBER MANAGEMENT	.0	.0	.0	.0	.6	.0	.0	.6	.6
RP 2.03: FOREST PROTECTION	.0	.0	3.8	3.8	.0	.2	.0	.2	4.0
RP 2.05: FOREST WATERSHEDS, SOILS, POLLUTION	.0	.0	8.2	8.2	1.1	.0	.0	1.1	9.3
RP 2.06: FOREST RANGE WILDLIFE & FISHERIES HABITAT DEVELOPMENT	.0	.0	9.3	9.3	.2	.0	.0	.2	9.5
RP 2.07: FOREST RECREATION & AESTHETICS & OTH LANDSCAPE VALUES	.0	.0	1.2	1.2	2.1	.0	.0	2.1	3.3
RP 2.08: ALTERNATE USES OF LAND	.0	.0	.0	.0	.5	.0	.0	.5	.5
RP 3.01: CORN	.0	.0	.0	.0	.3	.0	.0	.3	.3
RP 3.03: WHEAT	.8	.0	.0	.8	1.7	.0	.0	1.7	2.5
RP 3.04: SMALL GRAINS OTHER THAN WHEAT	.2	.0	.0	.2	.9	.0	.0	.9	1.1
RP 3.08: SUGAR	4.2	.0	.0	4.2	.2	.0	.0	.2	4.4
RP 3.09: FORAGE, RANGE, & PASTURE	5.5	.0	.0	5.5	5.9	.0	.0	5.9	11.4
RP 3.13: FRUIT	.1	.0	.0	.1	3.6	.0	.0	3.6	3.7
RP 3.14: VEGETABLE CROPS	.5	.0	.0	.5	1.4	.0	.0	1.4	1.9
RP 3.15: PLANTS TO ENHANCE THE ENVIRONMENT	.0	.0	.0	.0	.3	.0	.0	.3	.3
RP 3.16: BEES & OTHER POLLINATING INSECTS	.0	.0	.0	.0	.2	.0	.0	.2	.2
RP 4.01: BEEF	2.6	.0	.0	2.6	3.8	.0	.0	3.8	6.4
RP 4.02: DAIRY	2.8	.0	.0	2.8	3.3	.0	.0	3.3	6.1
RP 4.03: POULTRY	.0	.0	.0	.0	3.6	.0	.0	3.6	3.6
RP 4.04: SHEEP	2.8	.0	.0	2.8	5.5	.0	.0	5.5	8.3
RP 4.05: SWINE	.3	.0	.0	.3	.2	.0	.0	.2	.5
RP 4.06: OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	.0	.0	.0	.0	.7	.0	.0	.7	.7
RP 5.01: FOOD & NUTRITION	.0	.0	.0	.0	1.9	.0	.0	1.9	1.9
RP 5.02: FOOD SAFETY	.3	.0	.0	.3	3.0	.0	.0	3.0	3.3
RP 5.03: RURAL DEVELOPMENT & QUALITY OF FAMILY LIVING	.0	.0	.0	.0	2.8	.0	.0	2.8	2.8
RP 6.01: FARM ADJUSTMENT, PRICES & INCOME	.0	.0	.0	.0	1.8	.0	.0	1.8	1.8
RP 6.03: MARKETING & COMPETITION	.0	.0	.0	.0	2.0	.0	.0	2.0	2.0
RP 7.01: GENERAL RESOURCE OR TECHNOLOGY	1.5	.0	.0	1.5	6.1	.0	.0	6.1	7.6
RP 9.01: UNCLASSIFIED	2.3	.0	.0	2.3	2.8	.0	.0	2.8	5.1
GRAND TOTAL	23.8	.0	29.5	53.3	66.4	.2	.0	66.6	119.9

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978
RESEARCH PROGRAM SUMMARY

	REGION 4								
	WASHINGTON								
	AR	ESCS	FS	USDA TOTAL	SAES	OTH COOP INSTS	FORESTRY SCHOOLS	CR/SAES TOTAL	TOTAL
RP 1.01: SOIL & LAND USE	4.4	.0	.0	4.4	7.6	.0	.0	7.6	12.0
RP 1.02: WATER & WATERSHEDS	3.3	.0	.0	3.3	1.8	.0	.0	1.8	5.1
RP 1.04: ENVIRONMENTAL QUALITY	.6	.0	.0	.6	2.3	.0	.0	2.3	2.9
RP 1.05: WEATHER MODIFICATION FOR AGRICULTURE & FORESTRY	.0	.0	.0	.0	1.6	.0	.0	1.6	1.6
RP 1.06: FISH & WILDLIFE	.9	.0	.0	.9	1.0	.0	.0	1.0	1.9
RP 1.07: REMOTE SENSING	.0	.0	.0	.0	.2	.0	.0	.2	.2
RP 2.01: INVENTORY & APPRAISAL OF FOREST RESOURCES	.0	.0	.0	.0	.5	.0	.5	1.0	1.0
RP 2.02: TIMBER MANAGEMENT	.0	.0	6.0	6.0	2.0	.0	7.2	9.2	15.2
RP 2.03: FOREST PROTECTION	.0	.0	.0	.0	1.5	.0	2.7	4.2	4.2
RP 2.04: HARVESTING PROCESSING & MARKETING OF FOREST PRODUCTS	.0	.0	2.8	2.8	4.8	.0	6.3	11.1	13.9
RP 2.05: FOREST WATERSHEDS, SOILS, POLLUTION	.0	.0	5.9	5.9	.2	.0	11.4	11.6	17.5
RP 2.06: FOREST RANGE WILDLIFE & FISHERIES HABITAT DEVELOPMENT	.0	.0	.0	.0	.6	.0	.0	.6	.6
RP 2.07: FOREST RECREATION & AESTHETICS & OTH LANDSCAPE VALUES	.0	.0	2.0	2.0	.0	.0	4.2	4.2	6.2
RP 2.08: ALTERNATE USES OF LAND	.0	.0	.0	.0	.1	.0	.0	.2	.2
RP 2.09: TECHNICAL ASSISTANCE	.0	.0	.0	.0	.0	.0	.2	.2	.2
RP 3.01: CORN	.0	.0	.0	.0	.3	.0	.0	.3	.3
RP 3.03: WHEAT	10.3	.0	.0	10.3	6.4	.0	.0	6.4	16.7
RP 3.04: SMALL GRAINS OTHER THAN WHEAT	.4	.0	.0	.4	2.5	.0	.0	2.5	2.9
RP 3.06: SOYBEANS	.0	.0	.0	.0	.4	.0	.0	.4	.4
RP 3.08: SUGAR	2.0	.0	.0	2.0	.8	.0	.0	.8	2.8
RP 3.09: FORAGE, RANGE, & PASTURE	5.6	.0	.0	5.6	3.0	.0	.0	3.0	8.6
RP 3.12: NEW CROPS & MINOR OILSEEDS	1.8	.0	.0	1.8	2.0	.0	.0	2.0	3.8
RP 3.13: FRUIT	17.0	.0	.0	17.0	21.1	.0	.0	21.1	38.1
RP 3.14: VEGETABLE CROPS	15.3	.0	.0	15.3	17.4	.0	.0	17.4	32.7
RP 3.15: PLANTS TO ENHANCE THE ENVIRONMENT	.2	.0	.0	.2	6.2	.0	.0	6.2	6.4
RP 3.16: BEES & OTHER POLLINATING INSECTS	.0	.0	.0	.0	1.4	.0	.0	1.4	1.4
RP 4.01: BEEF	.1	.0	.0	.1	4.3	.0	.0	4.3	4.4
RP 4.02: DAIRY	.1	.0	.0	.1	3.6	.0	.0	3.6	3.7
RP 4.03: POULTRY	.0	.0	.0	.0	4.7	.0	.0	4.7	4.7
RP 4.04: SHEEP	.9	.0	.0	.9	2.0	.0	.0	2.0	2.9
RP 4.05: SWINE	.2	.0	.0	.2	1.0	.0	.0	1.0	1.2
RP 4.06: OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	1.1	.0	.0	1.1	.5	.0	.0	.5	1.6
RP 5.01: FOOD & NUTRITION	.0	.0	.0	.0	4.7	.0	.0	4.7	4.7
RP 5.02: FOOD SAFETY	1.7	.0	.0	1.7	1.3	.0	.0	1.3	3.0
RP 5.03: RURAL DEVELOPMENT & QUALITY OF FAMILY LIVING	.7	.0	.0	.7	4.1	.0	.0	4.1	4.8
RP 5.04: INSECTS AFFECTING MAN & HIS BELONGINGS	1.2	.0	.0	1.2	.5	.0	.0	.5	1.7

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978
RESEARCH PROGRAM SUMMARY

REGION 4									
WASHINGTON									
	AR	ESCS	FS	USDA TOTAL	SAES	OTH COOP INSTS	FORESTRY SCHOOLS	CR/SAES TOTAL	TOTAL
RP 6.01: FARM ADJUSTMENT, PRICES & INCOME	.0	.0	.0	.0	3.2	.0	.0	3.2	3.2
RP 6.02: FOREIGN AGRICULTURAL TRADE & ECONOMIC DEVELOPMENT	.8	.0	.0	.8	.0	.0	.0	.0	.8
RP 6.03: MARKETING & COMPETITION	3.3	.0	.0	3.3	4.4	.0	.0	4.4	7.7
RP 7.01: GENERAL RESOURCE OR TECHNOLOGY	3.3	.0	.0	3.3	8.1	.0	.0	8.1	11.4
RP 9.01: UNCLASSIFIED	.0	.0	.0	.0	.0	.0	.0	.0	.0
GRAND TOTAL	75.1	.0	16.7	91.8	128.1	.0	32.5	160.6	252.4

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978
RESEARCH PROGRAM SUMMARY

REGION 4

WYOMING

	AR	ESCS	FS	USDA TOTAL	SAES	OTH COOP INSIS	FORESTRY SCHOOLS	CR/SAES TOTAL	TOTAL
RP 1.01: SOIL & LAND USE	.9	.0	.0	.9	1.0	.0	.0	1.0	1.8
RP 1.02: WATER & WATERSHEDS	1.7	.0	.0	1.7	2.6	.0	.0	2.6	4.3
RP 1.04: ENVIRONMENTAL QUALITY	.0	.0	.0	.0	3.4	.0	.0	3.4	3.4
RP 1.05: WEATHER MODIFICATION FOR AGRICULTURE & FORESTRY	.0	.0	.0	.0	.6	.0	.0	.6	.6
RP 1.06: FISH & WILDLIFE	.0	.0	.0	.0	.1	.0	.0	.1	.1
RP 2.01: INVENTORY & APPRAISAL OF FOREST RESOURCES	.0	.0	.0	.0	1.2	.0	.0	1.2	1.2
RP 2.02: TIMBER MANAGEMENT	.0	.0	.0	.0	.8	.0	.0	.8	.8
RP 2.03: FOREST PROTECTION	.0	.0	.0	.0	.5	.0	.0	.5	.5
RP 2.05: FOREST WATERSHEDS, SOILS, POLLUTION	.0	.0	2.5	2.5	.1	.0	.0	.1	2.6
RP 2.06: FOREST RANGE WILDLIFE & FISHERIES HABITAT DEVELOPMENT	.0	.0	3.0	3.0	.8	.0	.0	.8	3.8
RP 2.07: FOREST RECREATION & AESTHETICS & OTH LANDSCAPE VALUES	.0	.0	.0	.0	.5	.0	.0	.5	.5
RP 3.01: CORN	.0	.0	.0	.0	.3	.0	.0	.3	.3
RP 3.03: WHEAT	.0	.0	.0	.0	.8	.0	.0	.8	.8
RP 3.04: SMALL GRAINS OTHER THAN WHEAT	.0	.0	.0	.0	.8	.0	.0	.8	.8
RP 3.08: SUGAR	.0	.0	.0	.0	1.3	.0	.0	1.3	1.3
RP 3.09: FORAGE, RANGE, & PASTURE	2.9	.0	.0	2.9	5.7	.0	.0	5.7	8.6
RP 3.14: VEGETABLE CROPS	.0	.0	.0	.0	1.2	.0	.0	1.2	1.2
RP 3.15: PLANTS TO ENHANCE THE ENVIRONMENT	.4	.0	.0	.4	.1	.0	.0	.1	.4
RP 3.16: BEES & OTHER POLLINATING INSECTS	2.7	.0	.0	2.7	.0	.0	.0	.0	2.7
RP 4.01: BEEF	.2	.0	.0	.2	7.3	.0	.0	7.3	7.5
RP 4.02: DAIRY	.0	.0	.0	.0	1.1	.0	.0	1.1	1.1
RP 4.03: POULTRY	.0	.0	.0	.0	.6	.0	.0	.6	.6
RP 4.04: SHEEP	.0	.0	.0	.0	5.3	.0	.0	5.3	5.3
RP 4.06: OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	.0	.0	.0	.0	.7	.0	.0	.7	.7
RP 5.01: FOOD & NUTRITION	.0	.0	.0	.0	.1	.0	.0	.1	.1
RP 5.02: FOOD SAFETY	.0	.0	.0	.0	.0	.0	.0	.0	.0
RP 5.03: RURAL DEVELOPMENT & QUALITY OF FAMILY LIVING	.0	.0	.0	.0	.5	.0	.0	.5	.5
RP 5.04: INSECTS AFFECTING MAN & HIS BELONGINGS	.0	.0	.0	.0	.3	.0	.0	.3	.3
RP 6.01: FARM ADJUSTMENT, PRICES & INCOME	.0	.0	.0	.0	.9	.0	.0	.9	.9
RP 6.03: MARKETING & COMPETITION	.0	.0	.0	.0	1.8	.0	.0	1.8	1.8
RP 7.01: GENERAL RESOURCE OR TECHNOLOGY	.0	.0	.0	.0	2.9	.0	.0	2.9	2.9
GRAND TOTAL	8.7	.0	5.5	14.2	43.2	.0	.0	43.2	57.4

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1978
RESEARCH PROGRAM SUMMARY

REGION 4

GUAM

	AR	BSCS	PS	USDA TOTAL	SAES	OTH COOP INSTS	FORESTRY SCHOOLS	CR/SAES TOTAL	TOTAL
RP 1.01: SOIL & LAND USE	.0	.0	.0	.0	1.0	.0	.0	1.0	1.0
RP 3.12: NEW CROPS & MINOR OILSEEDS	.0	.0	.0	.0	.1	.0	.0	.1	.1
RP 3.13: FRUIT	.0	.0	.0	.0	1.3	.0	.0	1.3	1.3
RP 3.14: VEGETABLE CROPS	.0	.0	.0	.0	2.9	.0	.0	2.9	2.9
RP 3.15: PLANTS TO ENHANCE THE ENVIRONMENT	.0	.0	.0	.0	.7	.0	.0	.7	.7
RP 4.07: AQUATIC FOOD & FEEDSTUFFS	.0	.0	.0	.0	1.0	.0	.0	1.0	1.0
RP 5.02: FOOD SAFETY	.0	.0	.0	.0	.1	.0	.0	.1	.1
RP 5.03: RURAL DEVELOPMENT & QUALITY OF FAMILY LIVING	.0	.0	.0	.0	1.0	.0	.0	1.0	1.0
GRAND TOTAL	.0	.0	.0	.0	8.0	.0	.0	8.0	8.0

*U.S. GOVERNMENT PRINTING OFFICE: 1981-0-720-008/3983